



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

1 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	1 A to 10 A	0.162 % to 0.243 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using 6½ Digital Multimeter By Direct Method	1 mA to 10 mA	0.162 % to 0.243 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	10 mA to 100 mA	0.243 % to 0.162 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using 6½ Digital Multimeter By Direct Method	100 µA to 1 mA	0.243 % to 0.162 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

2 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	100 mA to 1 A	0.162 % to 0.162 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz	Using 6½ Digital Multimeter, By Direct Method	1 mA to 10 mA	0.394 % to 0.474 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz	Using 6½ Digital Multimeter, By Direct Method	10 mA to 100 mA	0.474 % to 0.394 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	1 mA to 10 mA	0.520 % to 1.213 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	10 mA to 100 mA	1.213 % to 0.520 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

3 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	100 µA to 1 mA	1.213 % to 0.520 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	100 mA to 1 A	0.520 % to 1.212 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz	Using 6½ Digital Multimeter, By Direct Method	1 A to 10 A	0.164 % to 0.246 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ multimeter with shunt by V/I method	10 A to 1000 A	1.27 % to 1.27 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using High Voltage Probe with digital multimeter, By Direct Method	1 kV to 28 kV	2.32 % to 6.32 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

4 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	1 V to 10 V	0.10 % to 0.10 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	10 V to 100 V	0.10 % to 0.10 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	100 mV to 1 V	0.23 % to 0.10 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	100 V to 1000 V	0.10 % to 0.07 %
19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz	Using 6½ Digital Multimeter, By Direct Method	1 mV to 100 mV	3.49 % to 0.45 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

5 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz	Using 6½ Digital Multimeter, By Direct Method	1 V to 10 V	0.440 % to 0.439 %
21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz	Using 6½ Digital Multimeter, By Direct Method	100 mV to 1 V	0.45 % to 0.45 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	1 V to 10 V	0.78 % to 0.79 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	10 V to 100 V	0.79 % to 0.79 %
24	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	100 mV to 1 V	0.78 % to 0.78 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

6 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
25	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 100 kHz	Using 6½ Digital Multimeter, By Direct Method	1 V to 10 V	0.78 % to 0.79 %
26	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 100 kHz	Using 6½ Digital Multimeter, By Direct Method	10 V to 100 V	0.79 % to 0.79 %
27	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 100 kHz	Using 6½ Digital Multimeter, By Direct Method	100 mV to 1 V	0.78 % to 0.78 %
28	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 300 kHz	Using 6½ Digital Multimeter, By Direct Method	100 mV to 1 V	5.18 % to 5.2 %
29	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz	Using 6½ Digital Multimeter, By Direct Method	100 V to 1000 V	0.105 % to 0.073 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

7 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
30	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using LCR Meter By Direct Method	1 µF to 100 µF	0.24 % to 0.55 %
31	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using LCR Meter By Direct Method	1 nF to 1 µF	0.24 % to 0.24 %
32	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using LCR Meter By Direct Method	1 pF to 1 nF	0.47 % to 0.24 %
33	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Inductance @ 1 kHz	Using LCR Meter By Direct Method	100 µH to 100 mH	0.34 % to 0.25 %
34	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Inductance @ 1 kHz	Using LCR Meter By Direct Method	100 mH to 10 H	0.25 % to 0.39 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

8 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
35	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	1 mA to 10 mA	0.249 % to 0.235 %
36	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.235 % to 0.232 %
37	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	100 µA to 1 mA	0.232 % to 0.249 %
38	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	100 mA to 1 A	0.232 % to 0.220 %
39	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	1 mA to 10 mA	0.612 % to 0.266 %
40	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.266 % to 0.347 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

9 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
41	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	100 µA to 1 mA	0.925 % to 0.612 %
42	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	100 mA to 1 A	0.347 % to 3.464 %
43	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	30 µA to 100 µA	0.925 % to 0.925 %
44	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	1 A to 10 A	0.070 % to 0.139 %
45	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	1 mA to 10 mA	0.134 % to 0.070 %
46	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	10 A to 20 A	0.139 % to 0.203 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

10 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
47	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.070 % to 0.070 %
48	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	100 µA to 1 mA	0.146 % to 0.134 %
49	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	100 mA to 1 A	0.070 % to 0.070 %
50	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	30 µA to 100 µA	0.151 % to 0.146 %
51	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 30 kHz	Using Multiproduct Calibrator , By Direct Method	1 mA to 100 mA	1.226 % to 0.694 %
52	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 30 kHz	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.510 % to 0.694 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

11 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
53	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 30 kHz	Using Multiproduct Calibrator , By Direct Method	100 µA to 1 mA	1.847 % to 1.226 %
54	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 30 kHz	Using Multiproduct Calibrator , By Direct Method	30 µA to 100 µA	1.849 % to 1.847 %
55	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	1 A to 10 A	0.220 % to 0.093 %
56	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	1 mA to 10 mA	0.162 % to 0.129 %
57	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	10 A to 20 A	0.093 % to 0.168 %
58	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.129 % to 0.129 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

12 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
59	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	100 µA to 1 mA	0.174 % to 0.162 %
60	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	100 mA to 1 A	0.129 % to 0.220 %
61	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz	Using Multiproduct Calibrator , By Direct Method	1 A to 10 A	0.808 % to 3.488 %
62	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz	Using Multiproduct Calibrator , By Direct Method	1 mA to 10 mA	0.254 % to 0.117 %
63	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz	Using Multiproduct Calibrator, By Direct Method	10 A to 20 A	3.488 % to 3.494 %
64	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.117 % to 0.175 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

13 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
65	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz	Using Multiproduct Calibrator , By Direct Method	100 µA to 1 mA	0.347 % to 0.254 %
66	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz	Using Multiproduct Calibrator , By Direct Method	100 mA to 1 A	0.175 % to 0.808 %
67	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 65 Hz	Using Multiproduct Calibrator , By Direct Method	10 A to 20 A	0.093 % to 0.168 %
68	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multiproduct Calibrator with Current coil By Direct Method	20 A to 1000 A	0.93 %
69	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power , 1 Phase , @ 50Hz 0.5 PF (120 V to 240 V 0.1 A to 20 A)	Using Multiproduct Calibrator , By Direct Method	6 W to 2.4 kW	0.36 % to 0.39 %
70	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power, 1 Phase , @50 Hz 0.8 PF lead (120V- 240V, 0.1A- 20 A)	Using Multiproduct Calibrator , By Direct Method	9.6 W to 3.84 kW	0.17 % to 0.23 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

14 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
71	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power, 1 Phase , @50 Hz UPF(120V-240V, 0.01A- 20 A, 50 Hz)	Using Multiproduct Calibrator , By Direct Method	1.2 W to 4.8 kW	0.11 % to 0.18 %
72	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power, 1 Phase , @50Hz 0.2 PF(120V-240V, 0.1A- 20 A, 50 Hz)	Using Multiproduct Calibrator , By Direct Method	2.4 W to 960 W	0.99 % to 1.00 %
73	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz	Using Multiproduct Calibrator, By Direct Method	1 V to 10 V	0.025 % to 0.025 %
74	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.091 % to 0.027 %
75	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz	Using Multiproduct Calibrator , By Direct Method	10 V to 100 V	0.025 % to 0.031 %
76	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.027 % to 0.025 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

15 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
77	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz	Using Multiproduct Calibrator , By Direct Method	100 V to 1000 V	0.031 % to 0.030 %
78	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.042 % to 0.044 %
79	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.165 % to 0.046 %
80	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.046 % to 0.042 %
81	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	1 mV to 10 mV	0.715 % to 0.091 %
82	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.025 % to 0.025 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

16 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
83	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.091 % to 0.027 %
84	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	10 V to 100 V	0.025 % to 0.031 %
85	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.027 % to 0.025 %
86	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 100 kHz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.545 % to 0.131 %
87	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 100 kHz	Using Multiproduct Calibrator, By Direct Method	10 V to 100 V	0.119 % to 0.300 %
88	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 100 kHz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.131 % to 0.096 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

17 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
89	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 20 kHz	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.029 % to 0.036 %
90	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 20 kHz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.096 % to 0.029 %
91	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 20 kHz	Using Multiproduct Calibrator , By Direct Method	10 V to 100 V	0.036 % to 0.037 %
92	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 20 kHz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.029 % to 0.029 %
93	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	1 mV to 10 mV	0.791 % to 0.164 %
94	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.041 % to 0.043 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

18 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
95	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.164 % to 0.045 %
96	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	10 V to 100 V	0.043 % to 0.026 %
97	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.045 % to 0.041 %
98	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	100 V to 1000 V	0.026 % to 0.359 %
99	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 450 kHz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	1.508 % to 0.321 %
100	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 kHz	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.041 % to 0.049 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

19 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
101	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 kHz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.187 % to 0.051 %
102	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 kHz	Using Multiproduct Calibrator , By Direct Method	10 V to 100 V	0.049 % to 0.049 %
103	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 kHz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.051 % to 0.041 %
104	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 90 kHz	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.096 % to 0.119 %
105	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 450 kHz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.321 % to 0.358 %
106	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 5 kHz	Using Multiproduct Calibrator , By Direct Method	100 V to 1000 V	0.031 % to 0.302 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

20 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
107	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 8 kHz	Using Multiproduct Calibrator , By Direct Method	100 V to 1000 V	0.031 % to 0.036 %
108	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator , By Direct Method	0.4 nF to 1 nF	3.50 % to 1.74 %
109	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator , By Direct Method	1 nF to 10 nF	1.74 % to 0.42 %
110	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator, By Direct Method	10 nF to 100 nF	0.42 % to 0.42 %
111	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multiproduct Calibrator , By Direct Method	1 µF to 10 µF	0.41 % to 0.42 %
112	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multiproduct Calibrator , By Direct Method	1 mF to 110 mF	0.91 % to 1.38 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

21 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
113	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multiproduct Calibrator , By Direct Method	10 μ F to 100 μ F	0.42 % to 0.65 %
114	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1k Hz	Using Multiproduct Calibrator , By Direct Method	100 μ F to 220 pF	0.65 % to 0.58 %
115	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Inductance @ 1kHz	Using Decade Inductance Box by Direct Method	1 H to 10 H	1.29 % to 1.16 %
116	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Inductance @ 1kHz	Using Decade Inductance Box by Direct Method	100 μ H to 1 H	1.20 % to 1.29 %
117	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Power Factor	Using Multiproduct Calibrator, By Direct Method	0.2 Lag pf to 1 pf	0.002 pf
118	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Power Factor	Using Multiproduct Calibrator , By Direct Method	1 pf to 0.2 Lead pf	0.002 pf



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2467

Page No 22 of 119

Validity 06/12/2024 to 05/12/2028

Last Amended on 25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
119	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter By Direct Method	1 µA to 100 µA	0.25 % to 0.088 %
120	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter By Direct Method	1 A to 10 A	0.082 % to 0.183 %
121	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter By Direct Method	1 mA to 10 mA	0.006 % to 0.082 %
122	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter with Shunt By Direct Method	10 A to 20 A	0.74 % to 0.62 %
123	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter, By Direct Method	10 mA to 100 mA	0.082 % to 0.064 %
124	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter By Direct Method	100 µA to 1 mA	0.088 % to 0.006 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

23 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
125	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter, By Direct Method	100 mA to 1 A	0.082 % to 0.082 %
126	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Current	Using Shunt with 6½ Digital Multimeter By Direct Method	10 A to 200 A	0.70 % to 0.75 %
127	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using High voltage probe with Digital Multimeter by Direct method	0.5 kV to 40 kV	2.31 % to 3.52 %
128	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter, By Direct Method	1 mV to 100 mV	0.06 % to 0.0087 %
129	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter, By Direct Method	1 V to 10 V	0.0037 % to 0.0034 %
130	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter, By Direct Method	10 µV to 1 mV	5.66 % to 0.06 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

24 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
131	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter, By Direct Method	10 V to 100 V	0.0034 % to 0.005 %
132	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital multimeter, By Direct Method	100 mV to 1 V	0.0087 % to 0.0037 %
133	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter, By Direct Method	100 V to 1000 V	0.005 % to 0.006 %
134	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter, By Direct Method	1 kohm to 10 kohm	0.01 % to 0.01 %
135	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter, By Direct Method	1 Mohm to 10 Mohm	0.01 % to 0.05 %
136	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter, By Direct Method	10 kohm to 100 kohm	0.02 % to 0.01 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

25 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
137	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter, By Direct Method	100 kohm to 1 Mohm	0.01 % to 0.01 %
138	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter, By Direct Method	100 Mohm to 1 Gohm	0.94 % to 2.35 %
139	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ Digital Multimeter By Direct Method	1 Ohm to 10 ohm	0.06 % to 0.05 %
140	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 6½ Digital Multimeter, By Direct Method	10 Mohm to 100 Mohm	0.05 % to 0.94 %
141	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ Digital Multimeter, By Direct Method	10 Ohm to 100 Ohm	0.05 % to 0.02 %
142	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ Digital Multimeter By Direct Method	100 mohm to 1 ohm	0.58 % to 0.05 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

26 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
143	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance(2 wire)	Using 6½ Digital Multimeter, By Direct Method	100 Ohm to 1 kohm	0.02 % to 0.01 %
144	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator By Direct Method	1 A to 10 A	0.028 % to 0.064 %
145	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator By Direct Method	1 mA to 10 mA	0.017 % to 0.015 %
146	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator By Direct Method	10 µA to 190 µA	0.26 % to 0.041 %
147	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator By Direct Method	10 A to 20 A	0.064 % to 0.120 %
148	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator By Direct Method	10 mA to 100 mA	0.015 % to 0.015 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

27 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
149	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator , By Direct Method	100 mA to 1 A	0.015 % to 0.028 %
150	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator , By Direct Method	190 µA to 1 mA	0.041 % to 0.017 %
151	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator with 50 turn coil By Direct Method	20 A to 1000 A	0.43 % to 0.34 %
152	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (10 mV, 10 mA)	Using Multiproduct Calibrator By Direct Method	10 mW to 1 W	0.025 % to 0.07 %
153	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (10 V to 1000 V, 10 mA to 20 A)	Using Multiproduct Calibrator by Direct Method	100 mW to 20 kW	0.10 % to 0.66 %
154	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator , By Direct Method	1 mV to 100 mV	0.13 % to 0.0036 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

28 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
155	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.0016 % to 0.0016 %
156	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator By Direct Method	10 V to 100 V	0.0016 % to 0.0025 %
157	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator By Direct Method	100 V to 1000 V	0.0025 % to 0.0023 %
158	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator , By Direct Method	330 mV to 1 V	0.0036 % to 0.0016 %
159	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	High Resistance (2 Wire) at 5000 V	Using High Resistance Jig By Direct Method	1 Gohm to 1 Tohm	1.79 % to 8.09 %
160	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multiproduct Calibrator , By Direct Method	1 Mohm to 10 Mohm	0.0054 % to 0.018 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

29 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
161	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multiproduct Calibrator , By Direct Method	10 kohm to 100 kohm	0.0056 % to 0.0044 %
162	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multiproduct Calibrator , By Direct Method	10 Mohm to 100 Mohm	0.0018 % to 0.063 %
163	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multiproduct Calibrator , By Direct Method	100 kohm to 1 Mohm	0.0044 % to 0.0054 %
164	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multiproduct Calibrator By Direct Method	100 ohm to 1 kohm	0.02 % to 0.0057 %
165	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 wire)	Using Multiproduct Calibrator By Direct Method	1 kohm to 10 kohm	0.0057 % to 0.0056 %
166	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 wire)	Using Multiproduct Calibrator , By Direct Method	100 Mohm to 1 Gohm	0.0063 % to 1.79 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

30 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
167	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using milliohm Resistance box by Direct Method	1 mohm to 100 mohm	0.12 % to 0.12 %
168	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 wire)	Using Multiproduct Calibrator , By Direct Method	1 ohm to 10 ohm	1.159 % to 0.12 %
169	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multiproduct Calibrator , By Direct Method	10 ohm to 100 ohm	0.12 % to 0.02 %
170	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Bandwidth	Using Multiproduct Calibrator by Direct Method	50 kHz to 1 GHz	2.19 % to 6.08 %
171	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Time Marker	Using Multiproduct Calibrator by Direct Method	2 ns to 5 s	0.029 % to 0.58 %
172	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Amplitude AC Signal	Using Multiproduct Calibrator by Direct Method	1 mV to 130 V	3.50 % to 0.061 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

31 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
173	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Amplitude DC Signal	Using Multiproduct Calibrator by Direct Method	1 mV to 130 V	4.16 % to 0.062 %
174	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	pH Meter by Simulation (0 to 14 pH) @25 °C	Using MFC by Direct Method	-414 mV to 414 mV	0.58 %
175	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	TDS Meter by Simulation (1µS TO 10000 µS)	Using MFC by Direct Method	100 ohm to 1 Mohm	1.30 % to 0.60 %
176	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	B Type Thermocouple	Using 6½ Digital Multimeter By Direct Method	600 °C to 1820 °C	0.51 °C
177	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	E Type Thermocouple	Using 6½ Digital Multimeter By Direct Method	-250 °C to 1000 °C	0.29 °C
178	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	J Type Thermocouple	Using 6½ Digital Multimeter By Direct Method	-200 °C to 1200 °C	0.35 °C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

32 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
179	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	K Type Thermocouple	Using 6½ Digital Multimeter By Direct Method	-200 °C to 1350 °C	0.41 °C
180	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	L Type Thermocouple	Using 6½ Digital Multimeter by Direct Method	-200 °C to 900 °C	0.27 °C
181	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	N Type Thermocouple	Using 6½ Digital Multimeter by Direct Method	-200 °C to 1300 °C	0.42 °C
182	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	R Type Thermocouple	Using 6½ Digital Multimeter by Direct Method	50 °C to 1760 °C	0.83 °C
183	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD PT 100	Using 6½ Digital Multimeter by Direct Method	-200 °C to 800 °C	0.28 °C
184	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	S Type Thermocouple	Using 6½ Digital Multimeter by Direct Method	50 °C to 1760 °C	0.69 °C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

33 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
185	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	T Type Thermocouple	Using 6½ Digital Multimeter By Direct Method	-200 °C to 400 °C	0.25 °C
186	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	U Type Thermocouple	Using 6½ Digital Multimeter By Direct Method	-200 °C to 600 °C	0.41 °C
187	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B Type Thermocouple	Using Multiproduct Calibrator by Direct Method	600 °C to 1800 °C	0.39 °C
188	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	E Type Thermocouple	Using Multiproduct Calibrator by Direct Method	-250 °C to 1000 °C	0.58 °C
189	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	J Type Thermocouple	Using Multiproduct Calibrator by Direct Method	-200 °C to 1200 °C	0.32 °C
190	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K Type Thermocouple	Using Multiproduct Calibrator by Direct Method	-200 °C to 1350 °C	0.38 °C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2467 **Page No** 34 of 119

Validity 06/12/2024 to 05/12/2028 **Last Amended on** 25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
191	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	L Type Thermocouple	Using Multiproduct Calibrator by Direct Method	-200 °C to 900 °C	0.43 °C
192	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	N Type Thermocouple	Using Multiproduct Calibrator by Direct Method	-200 °C to 1300 °C	0.46 °C
193	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	R Type Thermocouple	Using Multiproduct Calibrator by Direct Method	50 °C to 1760 °C	0.66 °C
194	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD PT 100	Using Multiproduct Calibrator by Direct Method	-200 °C to 800 °C	0.27 °C
195	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	S Type Thermocouple	Using Multiproduct Calibrator by Direct Method	50 °C to 1750 °C	0.55 °C
196	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	T Type Thermocouple	Using Multiproduct Calibrator by Direct Method	-200 °C to 400 °C	0.17 °C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

35 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
197	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	U Type Thermocouple	Using Multiproduct Calibrator by Direct Method	-200 °C to 600 °C	0.32 °C
198	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Frequency Counter by Comparison Method	10 Hz to 2 GHz	0.023 % to 0.405 %
199	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Timer by Comparison Method	1 s to 60 s	0.14 s to 0.14 s
200	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Timer by Comparison Method	3600 s to 9000 s	2.11 s to 5.28 s
201	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Timer by Comparison Method	36000 s to 86400 s	21.10 s to 21.75 s
202	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Timer by Comparison Method	60 s to 3600 s	0.14 s to 2.11 s



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

36 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
203	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Timer by Comparison Method	9000 s to 36000 s	5.28 s to 21.10 s
204	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator by Direct Method	1 Hz to 10 Hz	0.0055 % to 0.0011 %
205	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator by Direct Method	1 kHz to 1 MHz	0.0420 % to 0.047 %
206	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator by Direct Method	1 MHz to 1 GHz	0.047 % to 0.0023 %
207	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator by Direct Method	10 Hz to 1 kHz	0.0011 % to 0.0420 %
208	MECHANICAL-ACCELERATION AND SPEED	Speed (Non Contact type) Centrifuge and Rotating equipment	Using Tachometer by Direct comparison method	>100 rpm to 1000	7.44 rpm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2467 **Page No** 37 of 119

Validity 06/12/2024 to 05/12/2028 **Last Amended on** 25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
209	MECHANICAL-ACCELERATION AND SPEED	Speed (Non Contact type) Centrifuge and Rotating equipment	Using Tachometer by Direct comparison method	10 rpm to 100 rpm	2.07 rpm
210	MECHANICAL-ACCELERATION AND SPEED	Speed (Non Contact type) Centrifuge and Rotating equipment	Using Tachometer by Direct comparison method	above 1000 rpm to 10000 rpm	5.34 rpm
211	MECHANICAL-ACCELERATION AND SPEED	Vibration Tester (Vibration switch, Analyzer, meter) Displacement (10 Hz to 100 Hz)	Using Vibration Meter, vibration source by Comparison method	(0.1 mm to 2 mm) pk-pk	6.91 % to 6.33 %
212	MECHANICAL-ACCELERATION AND SPEED	Vibration Tester (Vibration switch, Analyzer, meter) Velocity (10 Hz to 300 Hz)	Using Vibration Meter by comparison method	1 mm/s rms to 70 mm/s rms	6.91 % to 8.11 %
213	MECHANICAL-ACCELERATION AND SPEED	Vibration tester/ meter - Acceleration (10 Hz to 300 Hz)	Using Vibration Meter, vibration source by comparison method	1 m/s ² to 70 m/s ²	5.50 % to 8.61 %
214	MECHANICAL-DENSITY AND VISCOSITY	Hydrometer/ Density Hydrometer/ Twaddle Hydrometer/ Baume Hydrometer/ Specific Gravity Hydrometer/ Brix Hydrometer/ Lactometer/ Alcometer	Using Weighing Balance with resolution 0.01 mg by Hydrostatic Weighing Method as per NIST SP 250-78 Standard	0.600 g/ml to 2.000 g/ml	0.0003 g/ml



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

38 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
215	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Angle Plate (Flatness)	Using electronic probe with DRO, Surface Plate & Gauge Block by Comparison method	(450X300X350) mm	7.1 µm
216	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Angle plate (Squareness)	Using Granite Square, electronic probe with DRO, Surface Plate & Gauge Block by Comparison method	(450X300X350) mm	8.96 µm
217	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Angle Plate/Box angle plate (Parallelism)	Using electronic probe with DRO, Surface Plate & Gauge Block "0" by Comparison method	(450X300X350) mm	7.1 µm
218	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Angle/Limit Gauge (Plate Type / Industrial Gauge)	Using Profile Projector by Direct method	Up to 360 °	4.1 '
219	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bevel Protractor (Vernier/Digital) (L.C: 1')	Using Profile Projector By Direct Method	0° to 360° (0° to 90° to 0°)	4.77 arc min



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

39 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
220	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bore Gauge (L.C: 0.001 mm) (Dial/Digital) (Only Transmission)	Using Dial Calibration Tester by Direct method	Up to 2.0 mm	4.38 µm
221	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Box angle plate Square (Squareness)	Using Granite Square, electronic probe with DRO, Surface Plate & Gauge Block "0" by Comparison method	Up to 450 mm	8.96 µm
222	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bridge Cam Gauge (Linear Scale) (L.C: 1 mm)	Using Profile Projector by direct method	Up to 10 mm	4.9 µm
223	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper (Digital) (L.C: 0.001 mm)	Using Slip Gauge Set Grade '0', Caliper Checker, Slip Gauge Accessories	0 to 150 mm	3.5 µm
224	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper (Vernier/Dial/Digital) (L.C: 0.01 mm)	Using Slip Gauge Set Grade '0', Caliper Checker, Length Bar & Slip Gauge Accessories by Comparison Method	0 to 300 mm	7.63 µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

40 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
225	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Calipers (Vernier/Dial/Digital) (L.C: 0.01 mm)	Using Slip Gauge Set Grade '0', Caliper Checker, Length Bar by Comparison Method	300 mm to 600 mm	9.29 µm
226	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Calipers (Vernier/Dial/Digital) (L.C: 0.01 mm)	Using Slip Gauge Set Grade '0', Length Bar by Comparison Method	600 mm to 1000 mm	12.96 µm
227	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Gauge (L.C: 0.1 µm)	Using Standard Foils by Comparison Method	0 to 2 mm	2.11 µm
228	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Combination Set (L.C: 1°)	Using profile projector by comparison method	0 ° to 180 °	6 min
229	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Caliper (Vernier/Digital/Dial) L.C.:0.01 mm	Using Slip Gauge Set Grade '0', Caliper Checker, Length Bar & Surface plate by Comparison Method	0 to 600 mm	11.72 µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

41 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
230	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Caliper (Vernier/Digital/Dial) L.C.:0.01 mm	Using Slip Gauge Set Grade '0', Caliper Checker, & Slip Gauge Accessories by Comparison Method	0 to 300 mm	7.18 µm
231	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Micrometer (Vernier/Dial/Digital) (L.C: 0.001 mm)	Using Slip Gauge Set Grade '0' by Comparison Method	0 to 150 mm	6.35 µm
232	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Caliper Gauge/ Grove Dial/ Inside Caliper Gauge (L.C.: 0.01 mm)	Using Slip Gauge Set Grade '0', Slip Gauge Accessories by Comparison Method	10 mm to 150 mm	6.18 µm
233	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Depth Gauge (L.C: 0.01 mm)	Using Slip Gauge Set Grade '0' by Comparison Method	0 to 10 mm	5.8 µm
234	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Snap Gauge	Using Slip Gauge Set Grade '0' by Comparison Method	0 to 100 mm	1.6 µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

42 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
235	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Elongation Gauge /Flakiness Gauge	Using profile projector by direct method	0 to 100 mm	3.38 µm
236	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineer Parallel/Parallel blocks	Using Dial Gauge and comparator stand	Up to 300 mm	4.8 µm
237	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineer/ Tri Square (Flatness & Parallelism)	Using Granite Square, electronic probe with DRO, Surface Plate & Gauge Block "0" by Comparison method	Up to 600 mm	8.60 µm
238	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineer/ Tri Square (Squareness)	Using Granite Square, electronic probe with DRO, Surface Plate & Gauge Block "0" by Comparison method	Up to 600 mm	8.52 µm
239	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Extensometer Calibrator (L.C: 0.0001 mm)	Using Slip Gauge Set Grade '0' by Comparison Method	0 to 25 mm	0.82 µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

43 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
240	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (Analog/Digital) (L.C: 0.001 mm)	Using Slip Gauge Set Grade '0', Length Bar by Comparison Method	600 mm to 1000 mm	8.69 µm
241	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (Analog/Digital) (L.C: 0.001 mm)	Using Slip Gauge Set Grade '0', Length Bar by Comparison Method	300 mm to 600 mm	6.54 µm
242	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (Analog/Digital) (L.C: 0.001 mm)	Using Slip Gauge Set Grade '0', Length Bar by Comparison Method	0 to 150 mm	1.7 µm
243	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (Analog/Digital) (L.C: 0.001 mm)	Using Slip Gauge Set Grade '0', Length Bar by Comparison Method	150 mm to 300 mm	4.1 µm
244	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (Digital/ Electronic) (L.C: 0.0001 mm)	Using Slip Gauge Set Grade '0' by Comparison Method	0 to 25 mm	1.1 µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

44 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
245	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Feeler Gauge	Using Electronic probe with DRO, Comparator Stand by Direct Method	Up to 1.0 mm	2.50 µm
246	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Foils	Using Electronic probe with DRO, Comparator stand by Direct Method	250 µm to 5 mm	1.51 µm
247	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Foils	Using Electronic probe with DRO, Comparator stand by Direct Method	5 µm to 250 µm	1.23 µm
248	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Gauge Block Accessories	Using Optical Flat, Gauge block set, Surface plate & Electronic probe by direct method	0 to 25 mm	1.11 um
249	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Granite Square / Granite L Square	Using Granite Square, electronic probe with DRO, Surface Plate & Gauge Block "0" by Comparison method	Up to 300 mm	7.40 µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

45 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
250	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Groove Micrometer (L.C: 0.01 mm)	Using Slip gauge block set grade '0' by comparison method	0 to 100 mm	7.5 µm
251	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Hegmann Gauge	Using Electronic probe with DRO by direct method	Up to 1 mm	1.23 µm
252	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauges (Vernier/Digital/Dial) (L.C.: 0.01 mm)	Using Length Bar by Comparison method	0 to 1000 mm	8.18 µm
253	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauges (Vernier/Digital/Dial) (L.C.: 0.01 mm)	Using Caliper Checker by Comparison method	0 to 600 mm	7.93 µm
254	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer/ Stick micrometer (L.C.: 0.01 mm)	Using Slip Gauge Set Grade '0', Length Bar & Slip Gauge Accessories by Comparison Method	0 to 600 mm	7.3 µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

46 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
255	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal Micrometer/ Stick micrometer (L.C.: 0.01 mm)	Using Slip Gauge Set Grade '0', Length Bar & Slip Gauge Accessories by Comparison Method	600 mm to 1000 mm	11.06 µm
256	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Laser Distance Meter (L.C: 1 mm)	Using Slip Gauge & Length Bar by Comparison Method	0 to 1000 mm	11.07 µm
257	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Type (Dial/Digital) Indicator (L.C.: 0.001 mm)	Using Dial Calibration Tester by Comparison Method	0 to 0.2 mm	2.48 µm
258	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Type (Dial/Digital) Indicator (L.C.: 0.01 mm)	Using Dial Calibration Tester by Comparison Method	0 to 2 mm	6.7 µm
259	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Limit Gauges - (Height, Width, OD)	Using Gauge block, surface plate, electronic probe, profile projector by comparison method	Up to 100 mm	4.8 µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

47 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
260	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	LVDT Probe with Indicator (L.C: 0.0001 mm)	Using Slip Gauge Set Grade '0' by Comparison Method	0 to 100 mm	1.5 µm
261	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring pins/Pin gauge	Using Electronic probe with DRO, Comparator stand by comparison method	0.1 mm to 25 mm	2.48 µm
262	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Scale (L.C.: 0.5 mm)	Using Profile Projector By Direct Method	0 to 250 mm	288.72 µm
263	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pistol Caliper (L.C.: 0.1 mm)	Using Slip Gauge Set Grade '0' by Comparison Method	0 to 100 mm	57.8 µm
264	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pitch Micrometer For angle	Using profile projector	45 °	3.76 '



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

48 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
265	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pitch Micrometer (L.C: 0.01 mm) - Linear	Using Gauge Block & Profile projector by comparison method	0 to 100 mm	6.85 µm
266	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge	Using Gauge Block, Electronic probe with DRO By Comparison Method	0 to 100 mm	2.68 µm
267	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Dial Gauge (L.C: 0.5 µm)	Using Slip Gauge Set Grade '0' by Comparison Method	0 to 25 mm	1.5 µm
268	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Type (Dial/Digital) Indicator (L.C: 0.001 mm)	Using Dial Calibration Tester by Comparison Method	0 to 25 mm	2.5 µm
269	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Type (Dial/Digital) Indicator (L.C: 0.01 mm)	Using Dial Calibration Tester by Comparison Method	0 to 25 mm	6.8 µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

49 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
270	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pnetrometer (1/10 Revolution)	Using Gauge block set by comparison method	0 to 40 mm	57.74 µm
271	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Radius Gauge	Using Profile Projector By Direct Method	0.6 mm to 25 mm	3.1 µm
272	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Radius Gauge	Using Profile Projector By Direct Method	25 mm to 40 mm	3.24 µm
273	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Setting Rod	Using Slip Gauge Set Grade '0', Length Bar & Electronic probe with DRO by Comparison Method	200 mm to 1000 mm	8.1 µm
274	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Setting Rod	Using Slip Gauge Set Grade '0', Length Bar & Electronic probe with DRO by Comparison Method	25 mm to 200 mm	3.1 µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

50 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
275	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Snap Gauge/Adjustable Snap Gauge	Using Slip Gauge Set Grade '0' by Direct Method	1 mm to 200 mm	3.6 μm
276	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Spirit Level	Using Electronic Level & Tilting Table by Direct Method	Sensitivity: 0.01 mm/m	13.0 μm/m
277	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Straight Edge (Straightness)	Using surface plate & slip gauge set grade '0', Electronic probe by comparison method	Up to 1000 mm	7.68 μm
278	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Straight Edge (Parallelism)	Using surface plate & slip gauge set grade '0', Electronic probe by comparison method:	upto 1000mm	7.68μm
279	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	TAPER SCALE (L.C: 0.1 mm)	Using Profile Projector by Comparison Method	Up to 15 mm	57.83 μm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

51 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
280	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieves	Using Profile Projector By Direct Method	0.02 mm to 10 mm	2.70 µm
281	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieves	Using Profile Projector By Direct Method	10 mm to 30 mm	4.3 µm
282	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieves	Using Digital Caliper By Direct Method	30 mm to 100 mm	2.90 µm
283	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thickness Gauge (Dial/Digital) (L.C: 0.001 mm)	Using Slip Gauge Set Grade '0' by Comparison Method	0 to 10 mm	0.62 µm
284	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thickness Gauge (Dial/Digital) L.C.: 0.01 mm	Using Slip Gauge Set Grade '0' by Comparison Method	0 to 50 mm	5.8 µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

52 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
285	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Pitch Gauge	Using Profile Projector By Direct Method	Up to 25 mm	4.0 µm
286	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Pitch Gauge	Using Profile Projector By Direct Method	Up to 75 °	3.76 Arc min
287	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Ultrasonic thickness gauge (L C: 0.01 mm)	Using Steel gauge block set, Length Gauge Block by comparison method	0 to 200 mm	6.70 µm
288	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Weld fillet gauge	Using profile projector by Direct method	Up to 50 mm	3.9 µm
289	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Width Gauge	Using Gauge Block, Electronic probe with DRO By Comparison Method	Up to 100 mm	1.95 µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2467 **Page No** 53 of 119

Validity 06/12/2024 to 05/12/2028 **Last Amended on** 25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
290	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Dial Calibration Tester/ Micrometer Head (L.C: 0.1 µm)	Using Electronic probe with DRO by comparison method	0 to 25 mm	1.1 µm
291	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure (Hydraulic) Pressure Gauges/ Switches/ Differential Pressure Transmitter/ Transducers with Indicator	Using Digital Pressure Gauge and Calibrator using Hydraulic Comparator pump with pressure indicator, Handy Calibrator by Comparison method as per DKD-R6-1	0 to 700 bar	0.13 %rdg
292	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure (Hydraulic) Pressure Gauges/ Switches/ Differential Pressure Transmitter/ Transducers with Indicator	Using Digital Pressure Gauge and Calibrator using Hydraulic Comparator pump with pressure indicator, Handy Calibrator by Comparison method as per DKD-R6-1	0 to 1000 Bar	0.96 %rdg
293	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure (Pneumatic) (Digital / Dial, Magnehelic Gauge, Manometer, Differential Pressure, Transmitter, Transducers)	Using Low pressure calibrator using Pneumatic Comparator pump, Handy Calibrator By Comparison Method	-500 mbar to +500 mbar	3.72 %rdg



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2467 **Page No** 54 of 119

Validity 06/12/2024 to 05/12/2028 **Last Amended on** 25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
294	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure (Pneumatic) Pressure Gauges/ Switches/ Differential pressure Transmitter/ Transducers with Indicator	Pressure Gauge and Calibrator using Pneumatic Comparator pump with pressure indicator, Handy Calibrator by Comparison method as per DKD-R6-1	0 to 40 bar	0.13 %rdg
295	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum Gauges/ Switches/ Transmitter/ Transducers with without Indicator	Using pressure calibrator, using Pneumatic Comparator pump, Handy calibrator By Comparison Method	(-)0.1 bar to (-)0.9 bar	1.09 %rdg
296	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrenches (Type I: Class B, C, D, E & Type II: Class A, B, D, E)	Using Torque sensor with Indicator based on ISO 6789: 2017	200 Nm to 2000 Nm	2.98 %
297	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrenches/ Screw Drivers/ Torque Driver (Type I: Class B, C, D, E & Type II: Class A, B, D, E)	Using Torque sensor with Indicator based on ISO 6789:2017	0.1 Nm to 2 Nm	3.3 %
298	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrenches/ Screw Drivers/ Torque Driver (Type I: Class B, C, D, E & Type II: Class A, B, D, E)	Using Torque sensor with Indicator based on ISO 6789: 2017	2 Nm to 20 Nm	3.3 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

55 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
299	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrenches/ Screw Drivers/ Torque Driver (Type I: Class B, C, D, E & Type II: Class A, B, D, E)	Using Torque sensor with Indicator based on ISO 6789: 2017	20 Nm to 200 Nm	2.9 %
300	MECHANICAL-VOLUME	Burette / Pipettes / Pycnometer	Using Weighing Balance Class I (Range: 0 to 5.2 g, Readability =0.001 mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as per ISO 4787:2021	0.1 ml to 1 ml	0.40 µl
301	MECHANICAL-VOLUME	Burette / Pipettes / Pycnometer	Using Weighing Balance Class I (Readability =0.01 mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as per ISO 4787:2021	1 ml to 10 ml	0.53 µl



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

56 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
302	MECHANICAL-VOLUME	Burette / Pipettes / Pycnometer	Using Weighing Balance Class I (Range: 0 to 250 g, Readability =0.01mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as per ISO 4787:2021	10 ml to 25 ml	0.8 µl
303	MECHANICAL-VOLUME	Burette / Pipettes / Pycnometer	Using Weighing Balance Class I (Range: 0 to 250 g, Readability =0.01mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as per ISO 4787:2021	10 ml to 50 ml	1.70 µl



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

57 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
304	MECHANICAL-VOLUME	Burette / Pipettes / Pycnometer	Using Weighing Balance Class I (Range: 0 to 250 g, Readability =0.01mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as per ISO 4787:2021	50 ml to 100 ml	6.4 µl
305	MECHANICAL-VOLUME	Glassware / Measuring Cylinder / Measuring Jar / Density Bottle / Beaker / Dispenser, / Volumetric apparatus	Using Weighing Balance Class I (Range: 0 to 250 g, Readability =0.01mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as per ISO 4787:2021	50 ml to 100 ml	0.016 ml



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2467

Page No 58 of 119

Validity 06/12/2024 to 05/12/2028

Last Amended on 25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
306	MECHANICAL-VOLUME	Glassware / Measuring Cylinder / Measuring Jar / Density Bottle / Beaker / Dispenser, Volumetric apparatus	Using Weighing Balance Class I (Range: 0 to 250 g, Readability =0.01mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as per ISO 4787:2021	10 ml to 50 ml	3.00 µl
307	MECHANICAL-VOLUME	Glassware / Measuring Cylinder / Measuring Jar / Density Bottle / Beaker / Dispenser, / Volumetric apparatus	Using Weighing Balance Class I (Range: 0 to 250 g, Readability =0.01mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as per ISO 4787:2021	1 ml to 10 ml	0.41 µl



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

59 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
308	MECHANICAL-VOLUME	Glassware / Measuring Cylinder / Measuring Jar / Density Bottle / Beaker / Dispenser, / Volumetric apparatus	Using Weighing Balance Class-II (Range: 0 to 3000 g, Readability=1 mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as per ISO 4787:2021	1000 ml to 2000 ml	0.15 ml
309	MECHANICAL-VOLUME	Glassware/ Measuring Cylinder/ Measuring Jar/ Density Bottle/ Beaker/ Dispenser/ Volumetric apparatus	Using Weighing Balance Class II (Readability =1 mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as per ISO 4787:2021	100 ml to 1000 ml	0.095 ml
310	MECHANICAL-VOLUME	Piston Pipette / Micro Pipettes	Using Weighing Balance Class(Range: 0 to 5.2 g, Readability =0.001mg) with and Distilled Water as per ISO 8655-6	1 µl to 10 µl	0.05 µl



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2467

Page No 60 of 119

Validity 06/12/2024 to 05/12/2028

Last Amended on 25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
311	MECHANICAL-VOLUME	Piston Pipette / Micro Pipettes	Using Weighing Balance ClassI(Range: 0 to 5.2 g, Readability =0.001mg) with and Distilled Water as per ISO 8655-6	10 µl to 100 µl	0.40 µl
312	MECHANICAL-VOLUME	Piston Pipette / Micro Pipettes	Using Weighing Balance ClassI(Range: 0 to 5.2 g, Readability =0.001mg) with and Distilled Water as per ISO 8655-6	100 µl to 1000 µl	2.53 µl
313	MECHANICAL-VOLUME	Piston Pipette / Micro Pipettes	Using Weighing Balance ClassI(Range: 0 to 5.2 g, Readability =0.001mg) with and Distilled Water as per ISO 8655-6	1000 µl to 5000 µl	2.53 µl
314	MECHANICAL-VOLUME	Piston Pipette / Micro Pipettes	Using Weighing Balance ClassI(Range: 0 to 5.2 g, Readability =0.001mg) with and Distilled Water as per ISO 8655-6	5000 µl to 10000 µl	2.6 µl



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2467

Page No 61 of 119

Validity 06/12/2024 to 05/12/2028

Last Amended on 25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
315	MECHANICAL-VOLUME	Volumetric Flask / Le Chatlier Flask	Using Weighing Balance (Readability =0.01 mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as per ISO 4787:2021	1 ml to 10 ml	0.35 µl
316	MECHANICAL-VOLUME	Volumetric Flask / Le Chatlier Flask	Using Weighing Balance (Readability =0.01 mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as per ISO 4787:2021	10 ml to 50 ml	3.0 µl
317	MECHANICAL-VOLUME	Volumetric Flask / Le Chatlier Flask	Using Weighing Balance (Range: 0 to 3000g, Readability =1 mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as per ISO 4787:2021	200 ml to 500 ml	0.07 ml



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2467

Page No 62 of 119

Validity 06/12/2024 to 05/12/2028

Last Amended on 25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
318	MECHANICAL-VOLUME	Volumetric Flask / Le Chatlier Flask	Using Weighing Balance (Range: 0 to 250 g, Readability =0.01 mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as per ISO 4787:2021	50 ml to 200 ml	0.01 ml
319	MECHANICAL-VOLUME	Volumetric Flask / Le Chatlier Flask	Using Weighing Balance (Range: 0 to 3000 g, Readability =1 mg) with Distilled Water and Standard Weights & Calibration of Glassware based on Gravimetric method as per ISO 4787:2021	500 ml to 1000 ml	0.4 ml
320	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Electronic Balances Class I d=0.001 mg by as per OIML R111-1	1 g	0.004 mg



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

63 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
321	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Class I Electronic Balances d=0.001 mg by as per OIML R111-1	1 mg	0.002 mg
322	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Weighing Balance Class I d=0.01 mg by as per OIML R111-1	10 g	0.02 mg
323	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Electronic Balances Class I d=0.001 mg by as per OIML R111-1	10 mg	0.002 mg
324	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Weighing Balance Class I d=0.01 mg by as per OIML R111-1	100 g	0.04 mg



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

64 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
325	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Electronic Balances Class I d=0.001 mg by as per OIML R111-1	100 mg	0.002 mg
326	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Electronic Balances Class I d=0.001 mg by as per OIML R111-1	2 g	0.003 mg
327	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Class I Electronic Balances d=0.001 mg by as per OIML R111-1	2 mg	0.002 mg
328	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Weighing Balance Class I d=0.01 mg by as per OIML R111-1	20 g	0.02 mg



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

65 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
329	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Electronic Balances Class I d=0.001 mg by as per OIML R111-1	20 mg	0.003 mg
330	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Weighing Balance Class I d=0.01 mg by as per OIML R111-1	200 g	0.041 mg
331	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Electronic Balances Class I d=0.001 mg by as per OIML R111-1	200 mg	0.002 mg
332	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Electronic Balances Class I d=0.001 mg by as per OIML R111-1	5 g	0.005 mg



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

66 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
333	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Electronic Balances Class I d=0.001 mg by as per OIML R111-1	5 mg	0.002 mg
334	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Weighing Balance Class I d=0.01 mg by as per OIML R111-1	50 g	0.04 mg
335	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Electronic Balances Class I d=0.001 mg by as per OIML R111-1	50 mg	0.002 mg
336	MECHANICAL-WEIGHTS	Standard Weights (E2 Class & Coarser)	Using E1 Class Standard Weights 1 mg to 200 g & Electronic Balances Class I d=0.001 mg by as per OIML R111-1	500 mg	0.003 mg



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2467

Page No 67 of 119

Validity 06/12/2024 to 05/12/2028

Last Amended on 25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
337	MECHANICAL-WEIGHTS	Standard Weights (F1 Class & Coarser)	Using E2 Class Standard Weights 500 g to 1 kg & Weighing Balance Class II d=1 mg by as per OIML R111-1	1 kg	0.85 mg
338	MECHANICAL-WEIGHTS	Standard Weights (F1 Class & Coarser)	Using E2 Class Standard Weights 2 kg to 5 kg & Weighing Balance Class II d=1 mg by as per OIML R111-1	2 kg	1.40 mg
339	MECHANICAL-WEIGHTS	Standard Weights (F1 Class & Coarser)	Using E2 Class Standard Weights 500 g to 1 kg & Weighing Balance Class II d=1 mg by as per OIML R111-1	500 g	0.85 mg
340	MECHANICAL-WEIGHTS	Standard Weights (F2 Class & Coarser)	Using E2 Class Standard Weights & Weighing Balance Class III d=0.1 g by as per OIML R111-1	20 kg	82 mg
341	MECHANICAL-WEIGHTS	Standard Weights (M1 Class & Coarser)	Using E2 Class Standard Weights & Electronic Balances Class III d=0.1 g by as per OIML R111-1	10 kg	82 mg



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

68 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
342	MECHANICAL-WEIGHTS	Standard Weights (M1 Class & Coarser)	Using E2 Class Standard Weights & Weighing Balance Class III d=0.1 g by as per OIML R111-1	5 kg	82 mg
343	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature Humidity Meter/ Thermo Hygrometer/ Humidity Transmitter/ Data logger/Dial Humidity Meters/ Humidity Graph	Using Temperature & Humidity Meter & DMM and Humidity Chamber by Comparison Method	15 %rh to 95 %rh @ 25°C	0.81 %rh
344	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature Humidity Meter/ Thermo Hygrometer/ Humidity Transmitter/ Data logger/Dial Humidity Meters/ Humidity Graph (50 %rh)	Using Temperature & Humidity Meter & Humidity Chamber by Comparison Method	10 °C to 50 °C	0.27 °C
345	THERMAL-TEMPERATURE	Indicator with sensor of Black Body Source	Using IR thermometers (emissivity-0.95) by Comparison Method	50 °C to 500 °C	2.28 °C
346	THERMAL-TEMPERATURE	Indicator with sensor of Black Body Source	Using pyrometer (emissivity-0.95)by Comparison Method	500 °C to 1200 °C	4.64 °C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2467 **Page No** 69 of 119

Validity 06/12/2024 to 05/12/2028 **Last Amended on** 25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
347	THERMAL-TEMPERATURE	Indicator with sensor of Temperature bath (Single position)	Using SSPRT with Digital Indicator by Comparison Method	(-)-95 °C to 650 °C	0.12 °C
348	THERMAL-TEMPERATURE	Indicator with sensor of Temperature Bath / Dry Block bath Calibrator	Using SSPRT with Digital Indicator, by Comparison Method	140 °C to 650 °C	0.12 °C
349	THERMAL-TEMPERATURE	Indicator with sensor of Temperature Bath / Dry Block bath Calibrator (Single Position)	Using, SSPRT, 6½ Digital Multimeter by Comparison Method	-95 °C to 140 °C	0.09 °C
350	THERMAL-TEMPERATURE	Indicator with sensor of Temperature Bath / Dry Block bath Calibrators	Using 'S' Type Thermocouple with Digital Indicator by Comparison Method	650 °C to 1200 °C	1.35 °C
351	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using Liquid (oil) Bath, SSPRT with Digital Indicator by Comparison Method	(-)-80 °C to 150 °C	0.60 °C
352	THERMAL-TEMPERATURE	Non- Contact Type (IR Thermometers, Non-contact Thermometer, Pyrometers, Thermal Imaging Camera) (For Non-Medical Applications)	Using Standard Pyrometer and Black Body Source (Emissivity 0.95) by Comparison Method	500 °C to 1200 °C	4.68 °C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2467

Page No 70 of 119

Validity 06/12/2024 to 05/12/2028

Last Amended on 25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
353	THERMAL-TEMPERATURE	Non- Contact Type IR Thermometers, Non-contact Thermometer, Pyrometers, Thermal Imaging Camera (For Non-Medical Applications)	Using IR thermometers (emissivity-0.95) by Comparison Method	50 °C to 500 °C	2.87 °C
354	THERMAL-TEMPERATURE	RTD, Temperature Sensor with Indicator, Digital Thermometer, Temperature Transmitters with Indicator	Using Temperature Bath, SSPRT with Digital Indicator, 6½ Digital Multimeter by Comparison Method as per DKD-R-5-1, Eura met/Cg-08/v-2.1	-196 °C to 140 °C	0.2 °C
355	THERMAL-TEMPERATURE	Temperature Gauge	Using Dry Block & SSPRT with Digital Indicator by Comparison Method	(-)70 °C to 400 °C	1.18 °C
356	THERMAL-TEMPERATURE	Temperature Gauge	Using Dry Block & SPRT with Digital Indicator by Comparison Method	400 °C to 500 °C	2.93 °C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2467

Page No 71 of 119

Validity 06/12/2024 to 05/12/2028

Last Amended on 25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
357	THERMAL-TEMPERATURE	Thermocouple, Temperature Sensor with Indicator	Using Dry Temperature Bath, SSPRT with Digital Indicator, 6½ Digital Multimeter by Comparison Method as per ASTM E220-13/Euramet cg-8	140 °C to 600 °C	0.2 °C
358	THERMAL-TEMPERATURE	Thermocouple, Temperature Sensor with Indicator	Using Dry Temperature Bath, SSPRT with Digital Indicator, 6½ Digital Multimeter by Comparison Method as per ASTM E220-13/Euramet cg-8	-196 °C to 140 °C	0.2 °C
359	THERMAL-TEMPERATURE	Thermocouple, Temperature Sensor with indicator	Using Dry Temperature Bath, S type thermocouple, 6½ Digital Multimeter by Comparison Method as per ASTM E220-13/Euramet cg-8	600 °C to 1200 °C	1.34 °C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

72 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Site Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	1 A to 10 A	0.162 % to 0.243 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using 6½ Digital Multimeter By Direct Method	1 mA to 10 mA	0.162 % to 0.243 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	10 mA to 100 mA	0.243 % to 0.162 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using 6½ Digital Multimeter By Direct Method	100 µA to 1 mA	0.243 % to 0.162 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

73 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	100 mA to 1 A	0.162 % to 0.162 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz	Using 6½ Digital Multimeter, By Direct Method	1 mA to 10 mA	0.394 % to 0.474 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 Hz	Using 6½ Digital Multimeter, By Direct Method	10 mA to 100 mA	0.474 % to 0.394 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	1 mA to 10 mA	0.520 % to 1.213 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	10 mA to 100 mA	1.213 % to 0.520 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

74 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	100 µA to 1 mA	1.213 % to 0.520 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	100 mA to 1 A	0.520 % to 1.212 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 45 Hz	Using 6½ Digital Multimeter, By Direct Method	1 A to 10 A	0.164 % to 0.246 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using 6½ multimeter with shunt by V/I method	10 A to 1000 A	1.27 % to 1.27 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using High Voltage Probe with digital multimeter, By Direct Method	1 kV to 28 kV	2.32 % to 6.32 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

75 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	1 V to 10 V	0.10 % to 0.10 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	10 V to 100 V	0.10 % to 0.10 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	100 mV to 1 V	0.23 % to 0.10 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using 6½ Digital Multimeter, By Direct Method	100 V to 1000 V	0.10 % to 0.07 %
19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz	Using 6½ Digital Multimeter, By Direct Method	1 mV to 100 mV	3.49 % to 0.45 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

76 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz	Using 6½ Digital Multimeter, By Direct Method	1 V to 10 V	0.440 % to 0.439 %
21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 Hz	Using 6½ Digital Multimeter, By Direct Method	100 mV to 1 V	0.45 % to 0.45 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	1 V to 10 V	0.78 % to 0.79 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	10 V to 100 V	0.79 % to 0.79 %
24	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 10 kHz	Using 6½ Digital Multimeter, By Direct Method	100 mV to 1 V	0.78 % to 0.78 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

77 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
25	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 100 kHz	Using 6½ Digital Multimeter, By Direct Method	1 V to 10 V	0.78 % to 0.79 %
26	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 100 kHz	Using 6½ Digital Multimeter, By Direct Method	10 V to 100 V	0.79 % to 0.79 %
27	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 100 kHz	Using 6½ Digital Multimeter, By Direct Method	100 mV to 1 V	0.78 % to 0.78 %
28	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 300 kHz	Using 6½ Digital Multimeter, By Direct Method	100 mV to 1 V	5.18 % to 5.2 %
29	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 45 Hz	Using 6½ Digital Multimeter, By Direct Method	100 V to 1000 V	0.105 % to 0.073 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

78 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
30	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using LCR Meter By Direct Method	1 µF to 100 µF	0.24 % to 0.55 %
31	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using LCR Meter By Direct Method	1 nF to 1 µF	0.24 % to 0.24 %
32	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance @ 1 kHz	Using LCR Meter By Direct Method	1 pF to 1 nF	0.47 % to 0.24 %
33	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Inductance @ 1 kHz	Using LCR Meter By Direct Method	100 µH to 100 mH	0.34 % to 0.25 %
34	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Inductance @ 1 kHz	Using LCR Meter By Direct Method	100 mH to 10 H	0.25 % to 0.39 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

79 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
35	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	1 mA to 10 mA	0.249 % to 0.235 %
36	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.235 % to 0.232 %
37	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	100 µA to 1 mA	0.232 % to 0.249 %
38	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	100 mA to 1 A	0.232 % to 0.220 %
39	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	1 mA to 10 mA	0.612 % to 0.266 %
40	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.266 % to 0.347 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

80 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
41	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	100 µA to 1 mA	0.925 % to 0.612 %
42	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	100 mA to 1 A	0.347 % to 3.464 %
43	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	30 µA to 100 µA	0.925 % to 0.925 %
44	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	1 A to 10 A	0.070 % to 0.139 %
45	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	1 mA to 10 mA	0.134 % to 0.070 %
46	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	10 A to 20 A	0.139 % to 0.203 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

81 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
47	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.070 % to 0.070 %
48	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	100 µA to 1 mA	0.146 % to 0.134 %
49	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	100 mA to 1 A	0.070 % to 0.070 %
50	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 1kHz	Using Multiproduct Calibrator , By Direct Method	30 µA to 100 µA	0.151 % to 0.146 %
51	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 30 kHz	Using Multiproduct Calibrator , By Direct Method	1 mA to 100 mA	1.226 % to 0.694 %
52	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 30 kHz	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.510 % to 0.694 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

82 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
53	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 30 kHz	Using Multiproduct Calibrator , By Direct Method	100 µA to 1 mA	1.847 % to 1.226 %
54	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 30 kHz	Using Multiproduct Calibrator , By Direct Method	30 µA to 100 µA	1.849 % to 1.847 %
55	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	1 A to 10 A	0.220 % to 0.093 %
56	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	1 mA to 10 mA	0.162 % to 0.129 %
57	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	10 A to 20 A	0.093 % to 0.168 %
58	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.129 % to 0.129 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

83 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
59	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	100 µA to 1 mA	0.174 % to 0.162 %
60	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	100 mA to 1 A	0.129 % to 0.220 %
61	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz	Using Multiproduct Calibrator , By Direct Method	1 A to 10 A	0.808 % to 3.488 %
62	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz	Using Multiproduct Calibrator , By Direct Method	1 mA to 10 mA	0.254 % to 0.117 %
63	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz	Using Multiproduct Calibrator, By Direct Method	10 A to 20 A	3.488 % to 3.494 %
64	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz	Using Multiproduct Calibrator , By Direct Method	10 mA to 100 mA	0.117 % to 0.175 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

84 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
65	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz	Using Multiproduct Calibrator , By Direct Method	100 µA to 1 mA	0.347 % to 0.254 %
66	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 5 kHz	Using Multiproduct Calibrator , By Direct Method	100 mA to 1 A	0.175 % to 0.808 %
67	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 65 Hz	Using Multiproduct Calibrator , By Direct Method	10 A to 20 A	0.093 % to 0.168 %
68	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multiproduct Calibrator with Current coil By Direct Method	20 A to 1000 A	0.93 %
69	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power , 1 Phase , @ 50Hz 0.5 PF (120 V to 240 V 0.1 A to 20 A)	Using Multiproduct Calibrator , By Direct Method	6 W to 2.4 kW	0.36 % to 0.39 %
70	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power, 1 Phase , @50 Hz 0.8 PF lead (120V- 240V, 0.1A- 20 A)	Using Multiproduct Calibrator , By Direct Method	9.6 W to 3.84 kW	0.17 % to 0.23 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

85 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
71	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power, 1 Phase , @50 Hz UPF(120V-240V, 0.01A- 20 A, 50 Hz)	Using Multiproduct Calibrator , By Direct Method	1.2 W to 4.8 kW	0.11 % to 0.18 %
72	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power, 1 Phase , @50Hz 0.2 PF(120V-240V, 0.1A- 20 A, 50 Hz)	Using Multiproduct Calibrator , By Direct Method	2.4 W to 960 W	0.99 % to 1.00 %
73	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz	Using Multiproduct Calibrator, By Direct Method	1 V to 10 V	0.025 % to 0.025 %
74	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.091 % to 0.027 %
75	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz	Using Multiproduct Calibrator , By Direct Method	10 V to 100 V	0.025 % to 0.031 %
76	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.027 % to 0.025 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

86 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
77	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 1 kHz	Using Multiproduct Calibrator , By Direct Method	100 V to 1000 V	0.031 % to 0.030 %
78	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.042 % to 0.044 %
79	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.165 % to 0.046 %
80	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 Hz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.046 % to 0.042 %
81	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	1 mV to 10 mV	0.715 % to 0.091 %
82	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.025 % to 0.025 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

87 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
83	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.091 % to 0.027 %
84	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	10 V to 100 V	0.025 % to 0.031 %
85	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 10 kHz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.027 % to 0.025 %
86	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 100 kHz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.545 % to 0.131 %
87	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 100 kHz	Using Multiproduct Calibrator, By Direct Method	10 V to 100 V	0.119 % to 0.300 %
88	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 100 kHz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.131 % to 0.096 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

88 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
89	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 20 kHz	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.029 % to 0.036 %
90	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 20 kHz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.096 % to 0.029 %
91	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 20 kHz	Using Multiproduct Calibrator , By Direct Method	10 V to 100 V	0.036 % to 0.037 %
92	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 20 kHz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.029 % to 0.029 %
93	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	1 mV to 10 mV	0.791 % to 0.164 %
94	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.041 % to 0.043 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

89 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
95	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.164 % to 0.045 %
96	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	10 V to 100 V	0.043 % to 0.026 %
97	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.045 % to 0.041 %
98	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 45 Hz	Using Multiproduct Calibrator , By Direct Method	100 V to 1000 V	0.026 % to 0.359 %
99	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 450 kHz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	1.508 % to 0.321 %
100	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 kHz	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.041 % to 0.049 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

90 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
101	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 kHz	Using Multiproduct Calibrator , By Direct Method	10 mV to 100 mV	0.187 % to 0.051 %
102	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 kHz	Using Multiproduct Calibrator , By Direct Method	10 V to 100 V	0.049 % to 0.049 %
103	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 kHz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.051 % to 0.041 %
104	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 90 kHz	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.096 % to 0.119 %
105	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 450 kHz	Using Multiproduct Calibrator , By Direct Method	100 mV to 1 V	0.321 % to 0.358 %
106	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage @ 5 kHz	Using Multiproduct Calibrator , By Direct Method	100 V to 1000 V	0.031 % to 0.302 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

91 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
107	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 8 kHz	Using Multiproduct Calibrator , By Direct Method	100 V to 1000 V	0.031 % to 0.036 %
108	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator , By Direct Method	0.4 nF to 1 nF	3.50 % to 1.74 %
109	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator , By Direct Method	1 nF to 10 nF	1.74 % to 0.42 %
110	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 1 kHz	Using Multiproduct Calibrator, By Direct Method	10 nF to 100 nF	0.42 % to 0.42 %
111	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multiproduct Calibrator , By Direct Method	1 µF to 10 µF	0.41 % to 0.42 %
112	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multiproduct Calibrator , By Direct Method	1 mF to 110 mF	0.91 % to 1.38 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

92 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
113	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 100 Hz	Using Multiproduct Calibrator , By Direct Method	10 μ F to 100 μ F	0.42 % to 0.65 %
114	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance @ 1k Hz	Using Multiproduct Calibrator , By Direct Method	100 μ F to 220 pF	0.65 % to 0.58 %
115	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Inductance @ 1kHz	Using Decade Inductance Box by Direct Method	1 H to 10 H	1.29 % to 1.16 %
116	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Inductance @ 1kHz	Using Decade Inductance Box by Direct Method	100 μ H to 1 H	1.20 % to 1.29 %
117	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Power Factor	Using Multiproduct Calibrator, By Direct Method	0.2 Lag pf to 1 pf	0.002 pf
118	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Power Factor	Using Multiproduct Calibrator , By Direct Method	1 pf to 0.2 Lead pf	0.002 pf



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

93 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
119	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter By Direct Method	1 µA to 100 µA	0.25 % to 0.088 %
120	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter By Direct Method	1 A to 10 A	0.082 % to 0.183 %
121	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter By Direct Method	1 mA to 10 mA	0.006 % to 0.082 %
122	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter with Shunt By Direct Method	10 A to 20 A	0.74 % to 0.62 %
123	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter, By Direct Method	10 mA to 100 mA	0.082 % to 0.064 %
124	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter By Direct Method	100 µA to 1 mA	0.088 % to 0.006 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

94 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
125	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digital Multimeter, By Direct Method	100 mA to 1 A	0.082 % to 0.082 %
126	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Current	Using Shunt with 6½ Digital Multimeter By Direct Method	10 A to 200 A	0.70 % to 0.75 %
127	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using High voltage probe with Digital Multimeter by Direct method	0.5 kV to 40 kV	2.31 % to 3.52 %
128	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter, By Direct Method	1 mV to 100 mV	0.06 % to 0.0087 %
129	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter, By Direct Method	1 V to 10 V	0.0037 % to 0.0034 %
130	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter, By Direct Method	10 µV to 1 mV	5.66 % to 0.06 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

95 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
131	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter, By Direct Method	10 V to 100 V	0.0034 % to 0.005 %
132	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital multimeter, By Direct Method	100 mV to 1 V	0.0087 % to 0.0037 %
133	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digital Multimeter, By Direct Method	100 V to 1000 V	0.005 % to 0.006 %
134	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter, By Direct Method	1 kohm to 10 kohm	0.01 % to 0.01 %
135	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter, By Direct Method	1 Mohm to 10 Mohm	0.01 % to 0.05 %
136	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter, By Direct Method	10 kohm to 100 kohm	0.02 % to 0.01 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

96 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
137	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter, By Direct Method	100 kohm to 1 Mohm	0.01 % to 0.01 %
138	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6½ Digital Multimeter, By Direct Method	100 Mohm to 1 Gohm	0.94 % to 2.35 %
139	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ Digital Multimeter By Direct Method	1 Ohm to 10 ohm	0.06 % to 0.05 %
140	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 wire)	Using 6½ Digital Multimeter, By Direct Method	10 Mohm to 100 Mohm	0.05 % to 0.94 %
141	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ Digital Multimeter, By Direct Method	10 Ohm to 100 Ohm	0.05 % to 0.02 %
142	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ Digital Multimeter By Direct Method	100 mohm to 1 ohm	0.58 % to 0.05 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

97 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
143	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance(2 wire)	Using 6½ Digital Multimeter, By Direct Method	100 Ohm to 1 kohm	0.02 % to 0.01 %
144	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator By Direct Method	1 A to 10 A	0.028 % to 0.064 %
145	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator By Direct Method	1 mA to 10 mA	0.017 % to 0.015 %
146	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator By Direct Method	10 µA to 190 µA	0.26 % to 0.041 %
147	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator By Direct Method	10 A to 20 A	0.064 % to 0.120 %
148	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator By Direct Method	10 mA to 100 mA	0.015 % to 0.015 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

98 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
149	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator , By Direct Method	100 mA to 1 A	0.015 % to 0.028 %
150	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator , By Direct Method	190 µA to 1 mA	0.041 % to 0.017 %
151	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator with 50 turn coil By Direct Method	20 A to 1000 A	0.43 % to 0.34 %
152	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (10 mV, 10 mA)	Using Multiproduct Calibrator By Direct Method	10 mW to 1 W	0.025 % to 0.07 %
153	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (10 V to 1000 V, 10 mA to 20 A)	Using Multiproduct Calibrator by Direct Method	100 mW to 20 kW	0.10 % to 0.66 %
154	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator , By Direct Method	1 mV to 100 mV	0.13 % to 0.0036 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

99 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
155	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator , By Direct Method	1 V to 10 V	0.0016 % to 0.0016 %
156	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator By Direct Method	10 V to 100 V	0.0016 % to 0.0025 %
157	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator By Direct Method	100 V to 1000 V	0.0025 % to 0.0023 %
158	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator , By Direct Method	330 mV to 1 V	0.0036 % to 0.0016 %
159	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	High Resistance (2 Wire) at 5000 V	Using High Resistance Jig By Direct Method	1 Gohm to 1 Tohm	1.79 % to 8.09 %
160	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multiproduct Calibrator , By Direct Method	1 Mohm to 10 Mohm	0.0054 % to 0.018 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

100 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
161	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multiproduct Calibrator , By Direct Method	10 kohm to 100 kohm	0.0056 % to 0.0044 %
162	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multiproduct Calibrator , By Direct Method	10 Mohm to 100 Mohm	0.0018 % to 0.063 %
163	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multiproduct Calibrator , By Direct Method	100 kohm to 1 Mohm	0.0044 % to 0.0054 %
164	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multiproduct Calibrator By Direct Method	100 ohm to 1 kohm	0.02 % to 0.0057 %
165	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 wire)	Using Multiproduct Calibrator By Direct Method	1 kohm to 10 kohm	0.0057 % to 0.0056 %
166	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 wire)	Using Multiproduct Calibrator , By Direct Method	100 Mohm to 1 Gohm	0.0063 % to 1.79 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

101 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
167	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using milliohm Resistance box by Direct Method	1 mohm to 100 mohm	0.12 % to 0.12 %
168	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 wire)	Using Multiproduct Calibrator , By Direct Method	1 ohm to 10 ohm	1.159 % to 0.12 %
169	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multiproduct Calibrator , By Direct Method	10 ohm to 100 ohm	0.12 % to 0.02 %
170	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Bandwidth	Using Multiproduct Calibrator by Direct Method	50 kHz to 1 GHz	2.19 % to 6.08 %
171	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope - Time Marker	Using Multiproduct Calibrator by Direct Method	2 ns to 5 s	0.029 % to 0.58 %
172	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Amplitude AC Signal	Using Multiproduct Calibrator by Direct Method	1 mV to 130 V	3.50 % to 0.061 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

102 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
173	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	Oscilloscope Amplitude DC Signal	Using Multiproduct Calibrator by Direct Method	1 mV to 130 V	4.16 % to 0.062 %
174	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	pH Meter by Simulation (0 to 14 pH) @25 °C	Using MFC by Direct Method	-414 mV to 414 mV	0.58 %
175	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Source)	TDS Meter by Simulation (1µS TO 10000 µS)	Using MFC by Direct Method	100 ohm to 1 Mohm	1.30 % to 0.60 %
176	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	B Type Thermocouple	Using 6½ Digital Multimeter By Direct Method	600 °C to 1820 °C	0.51 °C
177	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	E Type Thermocouple	Using 6½ Digital Multimeter By Direct Method	-250 °C to 1000 °C	0.29 °C
178	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	J Type Thermocouple	Using 6½ Digital Multimeter By Direct Method	-200 °C to 1200 °C	0.35 °C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

103 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
179	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	K Type Thermocouple	Using 6½ Digital Multimeter By Direct Method	-200 °C to 1350 °C	0.41 °C
180	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	L Type Thermocouple	Using 6½ Digital Multimeter by Direct Method	-200 °C to 900 °C	0.27 °C
181	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	N Type Thermocouple	Using 6½ Digital Multimeter by Direct Method	-200 °C to 1300 °C	0.42 °C
182	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	R Type Thermocouple	Using 6½ Digital Multimeter by Direct Method	50 °C to 1760 °C	0.83 °C
183	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	S Type Thermocouple	Using 6½ Digital Multimeter by Direct Method	50 °C to 1760 °C	0.69 °C
184	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	T Type Thermocouple	Using 6½ Digital Multimeter By Direct Method	-200 °C to 400 °C	0.25 °C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2467 **Page No** 104 of 119

Validity 06/12/2024 to 05/12/2028 **Last Amended on** 25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
185	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	U Type Thermocouple	Using 6½ Digital Multimeter By Direct Method	-200 °C to 600 °C	0.41 °C
186	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B Type Thermocouple	Using Multiproduct Calibrator by Direct Method	600 °C to 1800 °C	0.39 °C
187	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	E Type Thermocouple	Using Multiproduct Calibrator by Direct Method	-250 °C to 1000 °C	0.58 °C
188	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	J Type Thermocouple	Using Multiproduct Calibrator by Direct Method	-200 °C to 1200 °C	0.32 °C
189	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K Type Thermocouple	Using Multiproduct Calibrator by Direct Method	-200 °C to 1350 °C	0.38 °C
190	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	L Type Thermocouple	Using Multiproduct Calibrator by Direct Method	-200 °C to 900 °C	0.43 °C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

105 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
191	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	N Type Thermocouple	Using Multiproduct Calibrator by Direct Method	-200 °C to 1300 °C	0.46 °C
192	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	R Type Thermocouple	Using Multiproduct Calibrator by Direct Method	50 °C to 1760 °C	0.66 °C
193	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD PT 100	Using Multiproduct Calibrator by Direct Method	-200 °C to 800 °C	0.27 °C
194	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	S Type Thermocouple	Using Multiproduct Calibrator by Direct Method	50 °C to 1750 °C	0.55 °C
195	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	T Type Thermocouple	Using Multiproduct Calibrator by Direct Method	-200 °C to 400 °C	0.17 °C
196	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	U Type Thermocouple	Using Multiproduct Calibrator by Direct Method	-200 °C to 600 °C	0.32 °C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

106 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
197	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Frequency Counter by Comparison Method	10 Hz to 2 GHz	0.023 % to 0.405 %
198	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Timer by Comparison Method	1 s to 60 s	0.14 s to 0.14 s
199	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Timer by Comparison Method	3600 s to 9000 s	2.11 s to 5.28 s
200	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Timer by Comparison Method	36000 s to 86400 s	21.10 s to 21.75 s
201	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Timer by Comparison Method	60 s to 3600 s	0.14 s to 2.11 s
202	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Timer by Comparison Method	9000 s to 36000 s	5.28 s to 21.10 s



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

107 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
203	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator by Direct Method	1 Hz to 10 Hz	0.0055 % to 0.0011 %
204	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator by Direct Method	1 kHz to 1 MHz	0.0420 % to 0.047 %
205	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator by Direct Method	1 MHz to 1 GHz	0.047 % to 0.0023 %
206	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multiproduct Calibrator by Direct Method	10 Hz to 1 kHz	0.0011 % to 0.0420 %
207	MECHANICAL-ACCELERATION AND SPEED	Speed (Non Contact type) Centrifuge and Rotating equipment	Using Tachometer by Direct comparison method	>100 rpm to 1000	7.44 rpm
208	MECHANICAL-ACCELERATION AND SPEED	Speed (Non Contact type) Centrifuge and Rotating equipment	Using Tachometer by Direct comparison method	10 rpm to 100 rpm	2.07 rpm
209	MECHANICAL-ACCELERATION AND SPEED	Speed (Non Contact type) Centrifuge and Rotating equipment	Using Tachometer by Direct comparison method	above 1000 rpm to 10000 rpm	5.34 rpm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

108 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
210	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Surface Plate (overall flatness deviation)	Using Electronic Level and steel Bridge By Direct Method	3000 mm x 3000 mm to	1.3SQRT(L+W/100) μm; where L&W in mm
211	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Surface Plate (overall flatness deviation)	Using Electronic Level and steel Bridge By Direct Method	8000 mm x 1000 mm to	1.61SQRT(L+W/100) μm; where, L&W in mm
212	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tool Maker Microscope/ Microscope - Linear (L.C: 1 μm)	Using Glass scale, gauge Block set by comparison method	Up to 100 mm	8.2 μm
213	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Height Measuring System/ Electronic 2D Height Gauge (L.C: 0.001 mm) - Linear	Using Long Slip Gauge Block Set & Caliper Checker By Comparison Method	0 to 600 mm	8.85 μm
214	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Height Measuring System/ Electronic 2DHeight Gauge (L.C: 0.001 mm) - Squareness	Using Granite Square and Dial Indicator By comparison method	0 to 600 mm	9.78 μm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR,
1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU,
KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

109 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
215	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector - Angular (L.C: 14 arc ss)	Using Graticules Scale, Angular scale '0' Grade Slip Gauge Set by Comparison Method	0° to 360°	5.05 '
216	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector - Linear (L.C: 0.001 mm)	Using Graticules Scale, '0' Grade Slip Gauge Set by Comparison Method	0 to 300 mm	13.57 µm
217	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector - Magnification	Using Graticules Scale, '0' Grade Slip Gauge Set by Comparison Method	5X to 100X	0.50 %
218	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Video Measuring Machine - Angular (L.C: 1 s)	Using Glass Scales/Slip Gauges, Angular scale by comparison method	0° to 360°	5.05 '
219	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Video Measuring Machine - Linear (L.C: 0.1 µm)	Using Glass Scales/Slip Gauges by comparison method	(300x200) mm	9.55 µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2467

Page No 110 of 119

Validity 06/12/2024 to 05/12/2028

Last Amended on 25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
220	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure (Hydraulic) Pressure Gauges/ Switches/ Differential Pressure Transmitter/ Transducers with Indicator	Using Digital Pressure Gauge and Calibrator using Hydraulic Comparator pump with pressure indicator, Handy Calibrator by Comparison method as per DKD-R6-1	0 to 700 bar	0.13 %rdg
221	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure (Hydraulic) Pressure Gauges/ Switches/ Differential Pressure Transmitter/ Transducers with Indicator	Using Digital Pressure Gauge and Calibrator using Hydraulic Comparator pump with pressure indicator, Handy Calibrator by Comparison method as per DKD-R6-1	0 to 1000 Bar	0.96 %rdg
222	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure (Pneumatic) (Digital / Dial, Magnehelic Gauge, Manometer, Differential Pressure, Transmitter, Transducers)	Using Low pressure calibrator using Pneumatic Comparator pump, Handy Calibrator By Comparison Method	-500 mbar to +500 mbar	3.72 %rdg



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2467 **Page No** 111 of 119

Validity 06/12/2024 to 05/12/2028 **Last Amended on** 25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
223	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure (Pneumatic) Pressure Gauges/ Switches/ Differential pressure Transmitter/ Transducers with Indicator	Pressure Gauge and Calibrator using Pneumatic Comparator pump with pressure indicator, Handy Calibrator by Comparison method as per DKD-R6-1	0 to 40 bar	0.13 %rdg
224	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum Gauges/ Switches/ Transmitter/ Transducers with without Indicator	Using pressure calibrator, using Pneumatic Comparator pump, Handy calibrator By Comparison Method	(-)0.1 bar to (-)0.9 bar	1.09 %rdg
225	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	UTM/ CTM Compression	Using Force proving ring gauge by Comparison Method based on 1828 Part-1-2022	200 kN to 2000 kN	0.79 %
226	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	UTM/CTM Compression	Using Load Cell with Indicator by Comparison Method based on 1828 Part-1-2022	10 kN to 1000 kN	0.40 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

112 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
227	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	UTM/CTM Compression	Using Load Cell with Indicator by Comparison Method based on 1828 Part-1-2022	100 N to 10000 N	0.60 %
228	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	UTM/Tension	Using Load Cell with Indicator by Comparison Method based on 1828 Part-1-2022:	10 kN to 200 kN	0.41 %
229	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	UTM/Tension	Using Load Cell with Indicator by Comparison Method based on 1828 Part-1-2022	100 N to 10000 N	0.70 %
230	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Verification of Displacement Measuring System and Devices used in Material Testing Machine	Using Digital Height Gauge as per ASTM E 2309 by Comparison Method	1 mm to 600 mm	53 µm
231	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Verification of Extensometer used in Uniaxial Testing Machine	Using Extensometer Calibrator with D.R.O as per ASTM E 83, IS 12872, ISO 9513 by Comparison Method	0 to 25 mm	15.14 µm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2467 **Page No** 113 of 119

Validity 06/12/2024 to 05/12/2028 **Last Amended on** 25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
232	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Verification of Speed in Material Testing Machine	Using Digital Height Gauge & Stopwatch as per ASTM E 2658 - 11 by Comparison Method	1 mm/min to 600 mm/min	0.84 %
233	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balances (Readability: 0.001 mg, Class I & Coarser)	Using E1 Class Standard Weights as per OIML-R76-1 & 2 By Direct Method	1 mg to 11 g	0.008 mg
234	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balances (Readability: 0.01 mg, Class I & Coarser)	Using E1 Class Standard Weights as per OIML-R76-1 & 2 By Direct Method	1 mg to 220 g	0.13 mg
235	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balances (Readability: 0.1 g, Class II & Coarser)	Using E1 & E2 Class Standard Weights as per OIML-R76-1 & 2 By Direct Method	10 mg to 6 kg	0.096 g
236	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balances (Readability: 0.1 mg, Class I & Coarser)	Using E1 & E2 Class Standard Weights as per OIML-R76-1 & 2 By Direct Method	1 mg to 620 g	0.15 mg
237	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balances (Readability: 1 g, Class III & Coarser)	Using E1 & F1 Class Standard Weights as per OIML-R76-1 & 2 By Direct Method	1 g to 50 kg	0.80 g



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

114 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
238	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balances (Readability: 10 g, Class III)	Using F1 & M1 Class Standard Weights as per OIML-R76- 1 & 2 By Direct Method	1 kg to 600 kg	17.0 g
239	MECHANICAL-WEIGHING SCALE AND BALANCE	Electronic Weighing Balances (Readability: 100 g, Class III)	Using F1 & M1 Class Standard Weights as per OIML-R76- 1 & 2 By Direct Method	1 kg to 1000 kg	120 g
240	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with sensor of Temperature & Humidity Chambers, Climatic Chambers (Single Position)	Using Temperature & Humidity Meter by Comparison Method	15 %rh to 95 %rh @ 25 °C	0.90 %rh
241	THERMAL-SPECIFIC HEAT & HUMIDITY	Multi Position calibration of Temperature & Humidity Chambers, Climatic Chambers, Environmental Chamber (10 °C to 60 °C)	Using Temperature & Humidity Sensor with Datalogger (minimum 9 sensors) by comparison method	30 %rh to 95 %rh	2.2 %rh
242	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature & Humidity Chambers, Climatic Chambers, Environmental Chamber (30°C to 60 °C)	Using Temperature & Humidity Sensor with Data logger (Minimum 9 sensor) by Multiposition calibration	10 %rh to 95 %rh	2.0 %rh



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

115 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
243	THERMAL-TEMPERATURE	Muffle Furnace, Furnace	Using Thermocouple with Recorder by multiposition calibration as per AMS2750	400 °C to 1200 °C	2.12 °C
244	THERMAL-TEMPERATURE	Autoclave (Non medical purpose only), Oven, Muffle Furnace	Using RTD with Recorder (Minimum 9 Sensor) by Multi position calibration as per DKD-R-5-7, IEC 60068-3-7	20 °C to 400 °C	0.52 °C
245	THERMAL-TEMPERATURE	Chamber, Climatic Chamber, Environmental Chamber, Cold chamber	Using RTD with Recorder (Minimum 9 sensor) by Multi-position calibration as per DKD-R-5-7, IEC 60068-3-11	(-)80 °C to 300 °C	0.46 °C
246	THERMAL-TEMPERATURE	Deep Freezers/ Refrigerators	Using RTD with Recorder by Multiposition Method as per DKD-R-5-7, IEC 60068-3-7	-80 °C to 50 °C	0.35 °C
247	THERMAL-TEMPERATURE	Incubators (Non Medical purpose only)	Using RTD with Recorder by Multiposition calibration as per DKD-R-5-7, IEC 60068-3-11	5 °C to 100 °C	0.32 °C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

116 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
248	THERMAL-TEMPERATURE	Indicator with sensor of Black Body Source	Using IR thermometers (emissivity-0.95) by Comparison Method	50 °C to 500 °C	2.28 °C
249	THERMAL-TEMPERATURE	Indicator with sensor of Black Body Source	Using pyrometer (emissivity-0.95)by Comparison Method	500 °C to 1200 °C	4.64 °C
250	THERMAL-TEMPERATURE	Indicator with sensor of Temperature bath (Single position)	Using SSPRT with Digital Indicator by Comparison Method	(-)-95 °C to 650 °C	0.12 °C
251	THERMAL-TEMPERATURE	Indicator with sensor of Temperature Bath / Dry Block bath Calibrator	Using SSPRT with Digital Indicator, by Comparison Method	140 °C to 650 °C	0.12 °C
252	THERMAL-TEMPERATURE	Indicator with sensor of Temperature Bath / Dry Block bath Calibrator (Single Position)	Using, SSPRT, 6½ Digital Multimeter by Comparison Method	-95 °C to 140 °C	0.09 °C
253	THERMAL-TEMPERATURE	Indicator with sensor of Temperature Bath / Dry Block bath Calibrators	Using 'S' Type Thermocouple with Digital Indicator by Comparison Method	650 °C to 1200 °C	1.35 °C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

117 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
254	THERMAL-TEMPERATURE	Non- Contact Type IR Thermometers, Non-contact Thermometer, Pyrometers, Thermal Imaging Camera (For Non-Medical Applications)	Using IR thermometers (emissivity-0.95) by Comparison Method	50 °C to 500 °C	2.87 °C
255	THERMAL-TEMPERATURE	RTD, Temperature Sensor with Indicator, Digital Thermometer, Temperature Transmitters with Indicator	Using Temperature Bath, SSPRT with Digital Indicator, 6½ Digital Multimeter by Comparison Method as per DKD-R-5-1, Euramet/Cg-08/v-2.1	-196 °C to 140 °C	0.2 °C
256	THERMAL-TEMPERATURE	RTD, Temperature Sensor with Indicator, Digital Thermometer, Temperature Transmitters with Indicator	Using Dry Temperature Bath, SSPRT & 'S' Type TC with Digital Indicator, 6½ Digital Multimeter by Comparison Method as per DKD-R-5-1, Euramet/Cg-08/v-2.1	140 °C to 650 °C	0.1 °C
257	THERMAL-TEMPERATURE	Temperature Gauge	Using Dry Block & SSPRT with Digital Indicator by Comparison Method	(-)70 °C to 400 °C	1.18 °C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

118 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
258	THERMAL-TEMPERATURE	Temperature Gauge	Using Dry Block & SPRT with Digital Indicator by Comparison Method	400 °C to 500 °C	2.93 °C
259	THERMAL-TEMPERATURE	Temperature Indicating with sensor of Oven, Furnace, Muffle Furnace, Water Bath	Using SSPRT with Digital Indicator (Single Position) by Comparison method	20 °C to 400 °C	0.14 °C
260	THERMAL-TEMPERATURE	Temperature Indicator with sensor of chamber, Incubator (Single Position)	Using SSPRT with Digital Indicator by Comparison method	5 °C to 100 °C	0.14 °C
261	THERMAL-TEMPERATURE	Temperature indicator with sensor of Cold Room, Freezer, Deep Freezer, Temperature Chamber (Single Position)	Using SSPRT, with Digital Indicator by Comparison method	(-)80 °C to 50 °C	0.46 °C
262	THERMAL-TEMPERATURE	Temperature Indicator with sensor of Furnace, Muffle Furnace (Single Position)	Using S Type Thermocouple with Digital Indicator by Comparison method	400 °C to 1200 °C	1.31 °C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

PRECISE TESTING AND CALIBRATION CENTRE PRIVATE LIMITED, NO. 48, 1ST FLOOR, 1ST MAIN, 2ND BLOCK, 3RD STAGE, BASAVESHWAR NAGAR, BENGALURU, KARNATAKA, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2467

Page No

119 of 119

Validity

06/12/2024 to 05/12/2028

Last Amended on

25/01/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
263	THERMAL-TEMPERATURE	Thermocouple, Temperature Sensor with Indicator	Using Dry Temperature Bath, SSPRT with Digital Indicator, 6½ Digital Multimeter by Comparison Method as per ASTM E220-13/Euramet cg-8	140 °C to 600 °C	0.2 °C
264	THERMAL-TEMPERATURE	Thermocouple, Temperature Sensor with Indicator	Using Dry Temperature Bath, SSPRT with Digital Indicator, 6½ Digital Multimeter by Comparison Method as per ASTM E220-13/Euramet cg-8	-196 °C to 140 °C	0.2 °C
265	THERMAL-TEMPERATURE	Thermocouple, Temperature Sensor with indicator	Using Dry Temperature Bath, S type thermocouple, 6½ Digital Multimeter by Comparison Method as per ASTM E220-13/Euramet cg-8	600 °C to 1200 °C	1.34 °C

* CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of k = 2.