

Laboratory ICL Calibration and Testing Services, SCO-37, Ground Floor, Sector - 12, Panchkula, Haryana
Accreditation Standard ISO/IEC 17025: 2005
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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>ELECTRO TECHNICAL CALIBRATION</u>				
I.	SOURCE			
1.	DC Voltage [#]	1 mV to 100 mV 100mV to 300 V 300 V to 1050 V	0.54 % to 0.012 % 0.01 % 0.010 %	Using MF Calibrator 9100 by Direct Method
2.	AC Voltage [#]	10 Hz to 3 kHz 1 mV to 30 V 30 V to 300 V 40 Hz to 1 kHz 300 V to 1050 V	4.5 % to 0.06 % 0.06 % to 0.33 % 0.02% to 0.08 %	Using MF Calibrator 9100 by Direct Method
		1 μ A to 300 mA 300 mA to 3 A 3A to 20A	1.3 % to 0.022% 0.021 % to 0.04 % 0.04 % to 0.1 %	Using MF Calibrator 9100 by Direct Method
		20 A to 1000 A	0.1% to 0.6%	Using MF Calibrator 9100,10 & 50 Current Coils by Comparison Method
4	AC Current [#]	50 Hz to 1 kHz 10 μ A to 100 μ A 100 μ A to 300 μ A 10 Hz to 1 kHz 300 μ A to 3 mA 3 mA to 1 A 1 Amp to 20 Amp	3.5 % to 0.32 % 0.32% to 0.20 % 0.32 % to 0.11 % 0.11% to 0.20 % 0.20 % to 0.3 %	Using MF Calibrator 9100 by Direct Method

Dheeraj Chawla
 Convenor

Avijit Das
 Program Manager

Laboratory ICL Calibration and Testing Services, SCO-37, Ground Floor, Sector - 12, Panchkula, Haryana

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		50 Hz 20 Amp to 1000 Amp	0.3% to 1.0%	Using MF Calibrator 9100,10 & 50 Current Coils by Comparison Method
5.	Frequency [#]	20 Hz to 10 MHz	0.02% to 0.01 %	Using MF Calibrator 9100 by Direct Method
6.	Resistance [#]	1 Ω to 10 Ω 10 Ω to 100 Ω 100 Ω to 1 k Ω 1 k Ω to 100 k Ω 100 k Ω to 1 M Ω 1 M Ω to 100M Ω 100 M Ω to 400 M Ω	1.2% to 0.12% 0.12% to 0.04% 0.04% to 0.03% 0.03% 0.03% 0.03 % to 0.05% 0.05% to 0.33%	Using MF Calibrator 9100 by Direct Method
7.	AC Power [#] (1 P2W) At UPF @ 50 Hz	100V to 300V 0.1A to 20A 10W to 6kW 6 kW to 0.640MW	0.4 % 0.46%	Using MF Calibrator 9100 by Direct Method Using MF Calibrator 9100,10 & 50 Current Coils by Comparison Method
8.	Insulation Resistance [#]	100 k Ω to 2 G Ω (0 to 1000 V DC)	0.13% to 0.92 %	Using MF Calibrator 9100 by Direct Method
9.	Capacitance [#]	1kHz 1 nF to 10 mF	4.1% to 3.8%	Using MF Calibrator 9100 by Direct Method

Dheeraj Chawla
Convenor

Avijit Das
Program Manager

Laboratory

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10.	Inductance [#]	10 μ H to 1000 mH	1.25 % to 1.15 %	Using Inductance Box by Direct Method
11.	Temperature Simulation [#] Digital Temperature Controller/ Indicator, Temp. Transmitter, PID Controller, Data logger J Type K Type R Type RTD Type	(-)200°C to 1200°C (-)200°C to 1200°C 300°C to 1700°C (-)200 °C to 800 °C	0.4 °C 0.54 °C 0.4 °C 0.36°C	Using MF Calibrator 9100 by Simulation Method
12.	Electric/ Oscilloscope Calibration DC Signal Load Sine / Square Signal Load Time Period Band Width	50 Ω to 1 M Ω 5 mV/div.to 20 V/div 50 Ω to 1 M Ω 5 mV/div.to 20 V/div pk –pk 5 ns/div to 5s/div 50 kHz to 250 MHz	1 % 1 % 1.27 % 3.0 %	Using MF Calibrator 9100 by Direct Method

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II.	MEASURE			
		1 mV to 100 mV 0.1 V to 10 V 10 V to 1000 V	0.5% to 0.01 % 0.01 % to 0.02 % 0.02% to 0.007%	Using 6 ½ DMM Agilent 34401A by Direct Method
		1kV to 20 kV	3.5 %	Using HV Probe With DMM 18s by Comparison Method
		1mA to 10 mA 10 mA to 1 A 1 A to 3 A	1.03 % to 0.06 % 0.06 % to 0.13 % 0.13% to 0.16 %	Using 6 ½ DMM Agilent 34401A / 5 ¾ digit DMM (Metrahit) by Direct Method
		3 A to 30 A	0.16 % to 0.38 %	Using 6 ½ DMM Agilent 34401A With Current Shunt Agilent by V/I Method
3.	Resistance# (4 Wire & 2Wire)	1 Ω to 100 Ω 100 Ω to 100 M Ω	0.5% to 0.02 % 0.02 % to 0.014 %	Using 6 ½ DMM Agilent 34401A by Direct Method
4	Frequency#	40 Hz to 300 kHz	0.06% to 0.012 %	Using 6 ½ DMM Agilent 34401A by Direct Method
		50 Hz 10 mV to 100 mV 100 mV to 1000 V	0.6 % to 0.11 % 0.11%	Using 6 ½ DMM/ 5 ¾ digit DMM (Metrahit) Direct Method
		1kV to 20 kV	3.6 %	Using HV Probe With DMM 18s by Direct Method

Dheeraj Chawla
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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
6.	AC Current [#]	50 Hz 0.01 A to 1A 1 A to 30 A	0.9% to 0.2 % 0.2 % to 0.6%	Using 6 ½ DMM, 5 ¾ digit DMM (Metrahit), Current Shunt Agilent by Direct Method
7.	Capacitance [#]	1 kHz 100 pF to 1 µF	0.53 %	Using LCR Meter by Direct Method
8.	Inductance [#]	1 kHz 200 µH to 1 H	0.58 % to 0.42 %	Using LCR Meter by Direct Method
9.	AC Resistance [#]	1 kHz 1 Ω to 100kΩ	0.42%	Using LCR Meter by Direct Method
10.	Stop Watch/Timer [#] (Digital/Mechanical)	1 s to 60 min.	0.6s to 3.6s	Using Stop watch / Time Interval Meter
11.	Temperature Simulation [#] Calibration of process Calibrators Recorder/ Controller J Type K Type R Type S Type T Type RTD	(-)200°C to 1200°C (-)200°C to 1300°C 200°C to 1750°C 0°C to 1750°C (-)200°C to 400°C (-)200°C to 850°C	0.6°C 0.6°C 0.6°C 0.6°C 0.6°C 0.6°C	Using 5 ¾ digit DMM (Metrahit) & Universal Calibrator with Simulator by Direct Method

Dheeraj Chawla
Convenor

Avijit Das
Program Manager

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<u>MECHANICAL CALIBRATION</u>				
I. DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)				
1.	Length Gauge/ Setting Rod [§]	0 to 100 mm 100 mm to 500 mm	1.5 7.2	Using ULM, Gauge Block Grade-0 & Electronic Comparator by Method as per ISO 3650, IS: 2984 & IS:7014
2.	Vernier Caliper (Dial Digital) L.C. 0.01mm [¶]	0 to 300 mm 300 mm to 450 mm 450 mm to 600 mm 600 mm to 1000 mm	16 μ m 18 μ m 20 μ m 23 μ m	Using Slip Gauge Grade-0 & Caliper Checker, Length Bar by Comparison Method IS:3651(Part I & Part II)
3.	Inside Caliper [§] (Dial Digital) L.C. 0.01	10 mm to 600 mm	12.0 μ m	Using Slip Gauge Grade-0 & Slip Gauge Accessories Set by Comparison Method
4.	Depth Caliper [§] (Vernier (Dial Digital) L.C.0.01mm	Up to 300 mm	7.0 μ m	Using Slip Gauge Grade-0 & Caliper Checker by Comparison Method as per IS: 4213

Dheeraj Chawla
Convenor

Avijit Das
Program Manager

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5.	External Micrometer [§] (Mech./Digital) L.C.0.001mm	Up to 100 mm 100 mm to 200mm	1.5 μ m 2.5 μ m	Using Slip Gauge Grade-0, Length Bar by Comparison Method IS:2967
6.	Internal Micrometer [§] L.C.0.001mm	50 mm to 425 mm	7.4 μ m	Using ULM by Method as per IS-2966
7.	Depth Micrometer [§] L.C.0.001mm	0 to 200 mm	7.0 μ m	Using Slip Gauge Grade-0, Length Bar by Method as per BS:6468
8.	Height Gauge [§] (Vernier (Dial Digital) L.C.0.01mm	0 to 300 mm 300 to 600 mm	8 μ m 12 μ m	Using Slip Gauge Grade-0 & Caliper checker by Method as per IS: 2921

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9.	Plunger Dial Gauge (Dial Digital) [§] L.C.0.001mm	Up to 100 mm	1.8 μ m	Using ULM IS:2092
10.	Dial Test Indicator [§] (Lever Type) L.C.0.001mm	0 to 1.0 mm	1.1 μ m	Using ULM IS:11498
11.	Dial Bore Gauge [§] (Transmission Accuracy)	1 mm Travel	1.7 μ m	Using ULM
12.	Pin Plug Gauge [§]	3 mm to 100 mm 100 mm to 300 mm	3.0 μ m	Using ULM IS:3455
13.	Snap Gauge [§]	3 mm to 300 mm	3.5 μ m	Using ULM , Ring Gauge IS:3455
14.	Measuring Pin [§] / Thread Measuring Wire	0.1mm to 20 mm	1.5 μ m	Using ULM IS:11103 IS:6311
15.	Feeler Gauge [§]	0.03 mm to 1.0 mm	3.3 μ m	Using ULM IS:3179
16.	Dial Thickness Gauge [§] L.C. 0.001mm	0 to 50 mm	1.5 μ m	Using Slip Gauge Block Grade-0
17.	Thread Plug Gauge [§] (Parameter Effective Dia.)	2.5 mm to 100 mm	3.5 μ m	Using ULM Thread Measuring Wire IS:2334 IS:10685 IS:6311

Dheeraj Chawla
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Program Manager

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18.	Thread Ring Gauge [§] (Parameter Effective Dia.)	3 mm to 180 mm	3.0 μ m	Using ULM ,Master Ring Gauge IS:2334
19.	Thread Pitch Gauge [§]	0.4 mm to 6 mm	7.0 μ m	Using Profile Projector IS:4211
20.	Plain Ring Gauge [§]	3mm to 6 mm 6mm to 100 mm 100 mm to 300 mm	2 μ m 2.5 μ m 5.0 μ m	Using ULM Master Setting Ring Gauge IS:3455
21.	Dial Calibration Tester [§] L.C. 0.001mm	0 to 25 mm	1.5 μ m	Using Slip Gauge Grade-0 & Electronic Probe by Comparison Method
22.	Steel Scale [§]	0 to 1000 mm	120 μ m	Using Scale and Tape Calibration Unit IS:1481
23.	Measuring Tape (Metric/ Woven Metallic/ Glass Fiber/ & Pie-Tape [§])	Up to 50 m	150 \sqrt{L} L in m	Using Scale and Tape Calibration Unit IS:1269 Part -1
24.	Radius Gauge [§] (Radius Measurement)	0.6 to 25 mm	8.8 μ m	Using Profile Projector IS:5273
25.	Bevel Protector/ Combination Set/ Angle Protector [§]	0 ^o -90 ^o -0	3 min of arc	Using A Set of Angle Gauge IS:4239
26.	Thickness Foils [§]	0 to 1 mm	4.0 μ m	Using Digital Micrometer/ ULM

Dheeraj Chawla
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Avijit Das
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27.	Electronic/Spirit Level Sensitivity 5 μ m/m 10 μ m/m 20 μ m/m	± 2 mm/m	4 μ m/m 7.0 μ m/m 12 μ m/m	Using Electronic Precesion Level IS:5707
28.	Test Sieves ^s (Parameter Aperture Size)	0.04 μ m to 1 mm 1mm to 125 mm	10 μ m 28 μ m	Using Profile Projector, Digital Vernier Caliper IS:460 Part -1,2,3
29.	Surface Plate [#] (Flatness)	Up to 6000 mm	$0.87\sqrt{(L+W)}/$ 125 μ m Were "L" and "W" in mm	Using Electronic Level IS: 2285,7327
30.	Electronic Probe ^s L.C- 0.1 μ m	0 to 10 mm	0.6 μ m	Using Slip Gauge Grade- 0
31.	Engineering Square/ Right Angle ^s (Parameter Flatness Perpendicularity)	Up to 300 mm	7 μ m	Using Dial Test Indicator and Surface plate Using Slip Gauge Grade - 0 & Master Cylinder IS:2103
32.	"V" Block ^s Parameter 1.Flatness(T_1) 2. Parallelism(V Axis) 3.Parallelism(Side Face) 4.Symmetry Error(t_4) 5.Squarness	Up to 150 mm	1.5 μ m 14.1 μ m 1.5 μ m 14.1 μ m 6.6 μ m	Using Slip Gauge Set, Dial Test Indicator, Surface Plate, Test Mandrel & Master Cylinder IS:2949
33.	Angle Chart/ Angle D/ Angle Protector ^s	0 to 360 ^o	7.5' of arc	Using Profile Projector by Comparison Method

Dheeraj Chawla
Convenor

Avijit Das
Program Manager

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34.	Three Point Micrometer [§] L.C-0.001/ 0.005 mm	6 mm to 100 mm	2.5 μ m	Using Master Ring Gauge Comparison Method
35.	Micrometer Head [§] L.C-0.001 mm	0 to 25 mm	2.0 μ m	Using ULM IS:9483
36.	Taper Plain Plug Gauge [§] (Parameter/Half Taper Angle/ Minor Dia. Gauge Plane Dia.)	2 mm to 75 mm 75 mm to 300 mm	1" 4.5 μ m	Using ULM, Slip Gauge Set, Thread Measuring Wire Based on IS: 9529 2251, 9475
37.	Taper Plain Ring Gauge [§] (Parameter Half Taper Angle/ Minor Major Dia.)	3 mm to 100 mm	1" 4.5 μ m	Using ULM, Master Ring Gauge Based on IS: 9529 2251, 9475
38.	Taper Thread Plug Gauge [§] (Parameter Effective Dia.)	3 mm to 100 mm	3 μ m	Using ULM, Thread Measuring Wire IS: 8999, IS:559
39.	Taper Thread Ring Gauge [§] (Parameter Effective Dia.)	7 mm to 100 mm	5.2 μ m	Using ULM, Setting Ring Gauge IS: 8999, IS:559
40.	Coating Thickness Gauge [§] L.C-0.1 μ m	Up to 1000 μ m	12.3 μ m	Using Thickness Foil Comparison Method

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Convenor

Avijit Das
Program Manager

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41.	Bench Center# Co-Axially Parallelism	Up to 300 mm	10 μ m	Using Mandrel & Dial Indicator IS: 5980, 1978
42.	2d Height Gauge# L.C-0.0001 mm	0 to 300 mm 300 mm to 600 mm	11 μ m	Length Bar & Gauge Block

II.	MECHANICAL-DIMENSION PRECISION INSTRUMENT			
1.	Profile Projector# Linear L.C-0.001 mm, Angle L.C-1" Magnification	X-Y axis up to 200mm 0 to 360° 10X	3.4 μ m 4" 0.1 %	Using Glass Scale, Angle Set Gauge
III.	TORQUE GENERATING DEVICES (AT LAB)			

Dheeraj Chawla
 Convenor

Avijit Das
 Program Manager

Laboratory

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1.	Type-I Torque Tools ^s (Torque Wrench/ Screw Driver) Class (B,C,D,E)	0.4 Nm to 200 Nm	2.6 %	Using Torque Sensor With indicator using Torque Wrench Calibration System & with screw driver IS/ISO-6789
	Type II Torque Tools (Torque Wrench/ Screw Driver) Class (A,B,D,E)	0.4 Nm to 2 Nm 2 Nm to 10 Nm 10 Nm to 50 Nm 50 Nm to 200 Nm 200 Nm to 1000 Nm	2.1 % 3.9 % 1.79 % 1.18 % 1.5 %	Using Torque Sensor With indicator using Torque Wrench Calibration System & with screw driver IS/ISO-6789
IV.	DUROMETER			
1.	Rubber Hardness Tester For Spring Calibration Only ^s	Shore A/ Shore D	1.88 Shore A/Shore D	Rubber Hardness Tester Calibration ASTM 2240

V.	ACOUSTICS			
1.	Sound Level Meter ^s	94 dB 114 Db	1.6 dB 1.6 dB	Using Acoustic Calibrator
VI.	ACCELERATION & SPEED			
1.	Acceleration & Speed/ Analog/ Digital Tachometer ^s (Digital /Analog Contact Type)	60 to 25,00 r.p.m	1.2 %	Using Digital Tachometer With RPM Generator

Dheeraj Chawla
Convenor

Avijit Das
Program Manager

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2.	Analog/ Digital Tachometer/ Pulse Engine Tachometer [§] (Non Contact Type)	10 to 1000 r.p.m 1000 to 75000 r.p.m	6.1 % 0.13 %	Using Digital Tachometer With R.P.M Generator
VII.	VOLUME			
1.	Micropipette [§]	1 μ l to 10 μ l 10 μ l to 100 μ l 100 μ l to 1000 μ l	0.02 μ l 0.11 μ l 0.2 μ l	Using Digital Micro Balance and distilled water of knowndensity ISO-8655-6
2.	Glass Pipettes [§]	>1 ml to 10 ml >10 ml to 100 ml	0.2 μ l 1.0 μ l	Using Digital Precision Balance and distilled water of known density IS/ISO-4787
3.	Burette [§]	>1 ml to 10 ml >10 ml to 100 ml	0.2 μ l 1.0 μ l	Using Digital Precision Balance and distilled water of known density IS/ISO-4787
4.	Volumetric Flask/Measuring Cylinder/Beaker And Other Apparatus [§]	>5 ml to 100 ml >100 ml to 500 ml >500 ml to 1000 ml	2.0 μ l 0.1 ml 0.2 ml	Using Digital Precision Balance and distilled water of known density IS/ISO-4787
VIII.	DENSITY AND VISCOSITY			
1.	Hydrometer/ Lactometer/Brix Hydrometer/ Alcoholometers/ Baume	0.65 g/ml to 1.6 g/ml	0.008 g/ml	Using Standard Hydrometer and Liquid of known densities IS: 3104

Dheeraj Chawla
Convenor

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Program Manager

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	Hydrometers/ Specific Gravity Hydrometer [§]			(Part-1)
2.	Liquid Density [§]	0.5 g/ml to 2.0 g/ml	0.008 g/ml	Using Standard Weight and Semi Micro Balance Readability of Balance 0.00001g/0.0001g) With Density Kit
3.	Solid Density [§]	2.5 g/ml to 20.0 g/ml	0.028 g/ml #	Using Standard Weight and Semi Micro Balance Readability of Balance 0.00001g/0.0001g With Density Kit (Solid)
4.	Density/Flow Cup/ Ford Cup/ Specific Gravity Cup [§]	B4	1.1 %	Using Stop Watch & Liquid Standard Density

IX.	Weights			
		1 mg 2 mg 5 mg 10 mg 20 mg 50 mg 100 mg 200 mg 500 mg 1 g	0.003 mg 0.003 mg 0.003 mg 0.003 mg 0.003 mg 0.003 mg 0.003 mg 0.003 mg 0.004 mg 0.004 mg	Using E1 Class Weights and Micro Balance (Readability 0.000001g) by Semi Micro/ Precision Balance (Readability: 0.00001g/0.0001g) by Substitution Method as

Dheeraj Chawla
Convenor

Avijit Das
Program Manager

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		2 g 5 g 10 g 20 g 50 g 100 g 200 g	0.005 mg 0.010 mg 0.010 mg 0.012 mg 0.092 mg 0.092 mg 0.10 mg	per OILM R 111:2004 and Calibration of Weights of Class E2 and Coarser
		500 g 1 kg 2 kg 5 kg 10 kg 20 kg 50 kg	0.03 g 0.05 g 0.1 g 0.5 g 0.5 g 1.0 g 1.0 g	Using F1 Class Weights And Electronic balance (Readability:0.01 g) Weighing Balance (Readability:0.5g/ 0.001kg) Calibration of Weights of Class F2 and Coarser
X.	WEIGHING SCALE AND BALANCE			
1.	Spring Balance [§] L.C.100 g and above	0 to 50 kg	120 g	Using Calibration Newtonian Weight & Some Weights IS-1702
	Calibration of Weighing Balance [#] d=0.001 mg	1 mg to 6 g	0.005 mg	Using Standard Weights (E1 Class) Calibration of Electronic Weighing Balance of Class I and Coarser as Per OIML R-76-1
	d=0.01 mg d=0.1 mg and coarser	1 mg to 200 g	0.21 mg	
	d=10 mg and coarser	>200 g to 2 kg	2.5 mg	

Dheeraj Chawla
Convenor

Avijit Das
Program Manager

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	d=100 mg and coarser d=1 g and coarser	>2 kg to 10 kg >10 kg to 50 kg	150 mg 2.5 g	(F1 Class) Calibration of Electronic Weighing Balance of Class II and Coarser as Per OIML R-76-1
XI.	PRESSURE INDICATING DEVICES			
1.	Hydraulic Pressure, Dial Pressure Gauge, Digital Pressure Gauges Pressure Indication System Pressure Transmitter [#]	0 to 30 bar 30 to 700 bar	0.07 bar 1.08 bar	Using Digital Pressure Gauge With Hydraulic Comparator by Comparison method based on DKD R-6-1
2.	Industrial Vacuum Gauges [#] (Analogue/ Digital/ Transmitter/ Vacuum Switch	(-)0.9 to 0 bar	0.003 bar	Using Standard Digital Pressure Gauge With Comparator by Comparison Method based on DKD R-6-1
3.	Pneumatic Industrial Pressure Gauges [#] (Analogue/ Digital/ Transmitter/ Pressure Switch)	0 to 10 bar	0.03 bar	Using Standard Digital Pressure Gauge and Pneumatic Comparator by Comparison based on DKD R-6-1
4.	Differential Pressure Gauge / Magnehelic Gauge [#]	(-) 1000 to 2000 Pascal 2000 to 7000 Pascal	4.38 Pa 4.38 Pa	Using Digital Manometer and Comparator by Comparison method based on DKD R-6-1

Dheeraj Chawla
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Program Manager

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
MOBILE FORCE MEASURING SYSTEM				
1.	Push/Pull Gauge ^s Push/Pull Mode	0 to 100 N	0.36 N	Using Newton Weight VDI/VDE 2624 Part 2.1

<u>THERMAL CALIBRATION</u>				
I.	Temperature			
1.	RTD's, Thermocouples with or without Indicator/ Data logger/ Recorder, Temperature Gauge, Glass Thermometer, Digital Thermometer,	(-)30°C to 50°C 50°C to 250°C 250°C to 1000°C 1000°C to 1200°C 50 °C to 250 °C	0.28°C 0.31°C 2.6°C 2.6°C 0.64°C	Using 4- wire RTD/ S-Type Thermocouple and DMM- 6.5, Universal Calibrator & Oil Bath, Negative Bath, Dry Block Furnace by Comparison Method

Dheeraj Chawla
Convenor

Avijit Das
Program Manager

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
	Temperature Transmitter, Temperature Controllers [#]			
2.	Temperature Indicator with Sensor of Liquid bath/Dry block furnace, Freezer/ Oven, Environment Chamber, Cold room, Hot room	(-)50°C to 300°C	0.8°C	Using RTD with Digital Multi meter-6.5, Universal Calibrator and mini Data Logger by Single Position Calibration (At Measuring Location in DUC)
3.	Temperature Indicator of Dry Block Furnace, Muffle Furnace and Oven	300°C to 1000°C 1000°C to 1200°C	2.2 °C 2.6°C	Using "S"-type Thermocouple, DMM-6.5 and Universal Calibrator Single Position Calibration (At Measuring Location in DUC)

4.	Calibration of Freezers/ Oven, Environment Chamber, Cold room, Hot room, Autoclave, Incubator, BOD Incubator	-30°C to 200°C	2.0°C	Using RTD (Minimum Nine) With Data Logger/Scanner, mini Wireless Data Loggers Multiposition Calibration
5.	Calibration of Chamber, Oven, Furnace	200°C to 1000°C	3.5°C	Using Thermocouple N & K type (Minimum Nine) With Data Logger /Scanner

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Avijit Das
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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
				Multiposition Calibration
II.	SPECIFIC HEAT AND HUMIDITY			
1.	Digital/Analog Hygrometer, Temperature/RH sensors with Transmitter/Indicator/ Data logger/ Scanner [#] Temperature/ Humidity Indicator With inbuilt or External Sensor	20%RH to 90%RH @ \approx 25 °C 10 °C to 50 °C @ \approx 50 %RH	1.1%RH 0.7°C	Using Digital Temperature/Humidity Indicator With Sensors and Humidity Generator with Chamber by Comparison Method
2.	Humidity Indicator With Sensor of Humidity Chamber, Environment Chamber/ Generator [#]	20%RH to 90%RH @ \approx 25°C	1.1%RH	Using Digital Temperature/Humidity Indicator With Sensor/ mini Wireless Data Logger by Single Position Calibration (At Measuring Location in DUC)
3.	Calibration of Humidity chamber, Environment chamber Climatic Chamber [#]	20 to 90% @ \approx 25°C	4.8%RH	Using Nine mini Wireless Data Logger Multiposition Calibration

* Measurement Capability is expressed as an uncertainty (\pm) at a confidence probability of 95%

[§]Only in Permanent Laboratory

*Only for Site Calibration

The laboratory is also capable for site calibration however, the uncertainty at site depends on the prevailing actual environmental conditions and master equipment used.

Dheeraj Chawla
Convenor

Avijit Das
Program Manager