

As an accredited laboratory, this laboratory is entitled to use the following accreditation symbol.



Valid from 27 May 2024
to 26 May 2028
Issued on 27 May 2024



ISO/IEC 17025
CL 025-01

Schedule of Accreditation

Accreditation Scheme for Testing / Calibration Laboratories
Sri Lanka Accreditation Board for Conformity Assessment

Accreditation Number: CL 025-01

Precision Technics International Pvt Ltd

Scope of Accreditation: Performing Calibrations in the field of Mechanical Calibrations (Mass, Pressure), Length, Thermal, Time & Frequency, Measurement Verification as per the Calibration Methods appearing in this schedule.

The Laboratory is accredited for the following tests appear on page 02 of 04 to page 04 of 04;

SI No	Type of Instrument	Calibration performed	Calibration Method / Measurement Procedure	Range	CMC values (At 95% confidence Level, k=2) (\pm)
Length					
01	Sample Cutter	Linear measurement (Diameter)	PTI/QA/LCP/01 – Rev 02	Up to 150 mm	0.018 mm
		Linear measurement (Area calculation)		Up to 12 cm ²	0.011 cm ²
				Up to 160 cm ²	0.031 cm ²
02	Ruler & Scale	Linear measurement by direct comparison	PTI/QA/LCP/02 – Rev 01	0 to 1000mm (Resolution:1 mm)	1.1 mm
03	Vernier Calipers Digital Calipers Dial Calipers	Linear measurement by direct comparison	PTI/QA/LCP/03 – Rev 01	0 to 300mm (Resolution: 0.01mm)	5.9 μ m
04	Micrometer	Linear measurement by direct comparison	PTI/QA/LCP/04 – Rev 01	0 to 25mm (Resolution: 0.001mm)	0.59 μ m
				25 to 300mm (Resolution: 0.01mm)	5.9 μ m
05	Feeler Gauge	Linear measurement by direct comparison	PTI/QA/LCP/05 – Rev 00	0 to 1 mm	0.82 μ m
06	Test Sieves	Linear measurement	PTI/QA/LCP/06 – Rev 01	20 to 125 mm	8.7 μ m
07	Thickness Gauge	Linear measurement by direct comparison	PTI/QA/LCP/07 – Rev 01	0 to 10mm (Resolution: 0.001mm)	0.59 μ m
				<10 to 20mm (Resolution: 0.1mm)	0.058 mm
Pressure					
08	Pressure Gauge (Pneumatic pressure)	Direct Comparison	PTI/QA/LCP/01- Rev02	0 to 20 bar (Resolution: 0.01bar)	0.013 bar
09	Pressure Gauge (Hydraulic pressure)	Direct Comparison	PTI/QA/LCP/01- Rev02	0 to 60 bar (Resolution: 0.01bar)	0.013 bar
				60 to 100 bar (Resolution: 0.01 bar)	0.022 bar
				100 to 600 bar (Resolution: 0.1 bar)	0.43 bar

SI No	Type of Instrument	Calibration performed	Calibration Method / Measurement Procedure	Range	CMC values (At 95% confidence Level, k=2) (\pm)
Mass					
10	Electronic Top Loading Balance / Comparator balance/ Analytical Balance /Weighing Scale	Linearity check with conventional mass values	PTI/QA/MCP/01- Rev 01	0 to 220 g	0.058 mg
				220 to 5100 g	0.58 mg
				5100 to 15100	5.9 mg
				15.1 to 30 kg	0.065 g
				30 to 60 kg	0.59 g
Thermal					
11	Digital Thermometer together with a Sensor	Direct Comparison	PTI/QA/TCP/02 – Rev 01	(-30) °C to 400 °C (Resolution: 0.001 °C)	0.074°C
				<400 °C to 600°C (Resolution: 0.1°C)	1.1 °C
12	Dial Thermometer	Direct Comparison	PTI/QA/TCP/03 - Rev 01	(-30)°C to 100 °C (Resolution: 0.1°C)	0.11 °C
				<100°C to 200°C (Resolution: 1°C)	0.26 °C
				<200°C to 400°C (Resolution: 2 °C)	0.59 °C
				<400°C to 600°C (Resolution: 5 °C)	1.6 °C
13	Glass Thermometer	Direct Comparison	PTI/QA/TCP/04 - Rev 01	-30°C to 110 °C (Resolution: 0.1 °C)	0.11 °C
				<110°C to 360°C (Resolution: 1°C)	0.26 °C
Time & Frequency					
14	Stop watch / Timer	Direct Comparison	PTI/QA/OCP/01- Rev02	0 to 600 s (Resolution: 0.01s)	0.40s
				<6000 to 2700 (Resolution: 0.01s)	0.42s
				<2700 to 7200 (Resolution: 0.01s)	0.47s
15	RPM Measurement (include all rotational speed instruments)	Speed Measurement	PTI/QA/OCP/03	0 to 6000 rpm (Resolution: 0.1 rpm)	0.15 rpm
				<6000 to 24000rpm (Resolution: 1rpm)	1.1 rpm

SI No	Type of Instrument	Calibration performed	Calibration Method / Measurement Procedure	Range	CMC values (At 95% confidence Level, k=2) (±)
Measurement Verification					
16	Auto Clave	Measurement Verification in temperature	PTI/QA/TCP/01 – Rev01	50°C to 130 °C (Resolution: 0.1 °C)	0.39°C
17	Oven (Three site)	Measurement Verification in temperature	PTI/QA/TCP/05-Rev03	50°C to 300 °C (Resolution: 0.1 °C)	0.16 °C
	Incubator (Three site)	Measurement Verification in temperature	PTI/QA/TCP/05-Rev03	0°C to 90 °C (Resolution: 0.1°C)	0.16°C
	Oven / Incubator /Retort(multi-site)	Measurement Verification in temperature	PTI/QA/TCP/05-Rev03	50°C to 130 °C (Resolution: 0.1 °C)	0.30 °C
	Refrigerator/ Freezer /Bottle cooler (Three site)	Measurement Verification in temperature	PTI/QA/TCP/05-Rev03	(-30)°C to 20°C (Resolution: 0.1°C)	0.16 °C
	Cold Room/ Blast freezer/ Anti Room / Plate freezer (Three site / multi-site)	Measurement Verification in temperature	PTI/QA/TCP/05-Rev03	(-30)°C to 20°C (Resolution: 0.1°C)	0.30 °C
	Water Bath	Measurement Verification in temperature	PTI/QA/TCP/05-Rev03	5 to 100 °C (Resolution: 0.1°C)	0.23°C
18	Muffle furnace	Measurement Verification in temperature	PTI/QA/TCP/06 - Rev 01	100 to 1000 °C (Resolution: 0.1 °C)	1.1 °C

Director/CEO
Sri Lanka Accreditation Board for Conformity Assessment

