



SANSEL CALIBRATION LABORATORIES LLP

CALIBRATION AT YOUR DOORSTEP !!!

OUR SCOPE

- THERMAL
- MECHANICAL
- ELECTRO-TECHNICAL
- DIMENSION

WHY CHOOSE US

- Trusted Expertise
- Perfect Calibration
- Quick schedule
- Competitive Rates

We are ISO IEC 17025 Standard Accredited Calibration Laboratory approved by NABL, India, in the field of Thermal, Mechanical, Electro-Technical and Dimensional Parameters with a 15 years of expertise in calibration field.



Sansel Calibration laboratories llp, 1/46, 3rd Main Road, Ganga Nagar, Maduravoyal,
Chennai -600 095, Tamil Nadu, India



DIMENSION LAB



ELECTRO-TECHNICAL LAB

MECHANICAL LAB



Instruments Calibration Brochure

SANSEL have a scope to calibrate Thermal, Mechanical, Electro-Technical & Dimension Discipline Instruments as per (NABL) ISO/IEC 17025:2017 Standard

Thermal discipline scope details in different groups



Calibration Instruments / Parameters	Range
Humidity and Temperature Humidity & temperature meter, Hygrometer, Humidity transmitter Humidity & temperature Indicator with sensor, Environmental Monitor system Dew point Meter, Dew point Transmitter	5 to 95%RH %rh '@ 25°C 6 to 69°C @50%RH 13 to 90 %rh @10 to 60°C -20 to 50°C
Contact Temperature RTD Sensor, Thermocouple, Indicator with Sensor, Temperature Gauge & Temperature Transmitter	-100 to 1500°C
Temperature Bath, Liquid bath , Dry block calibrator, Cryo bath, sub zero bath, low temperature bath	-100 to 1500°C
Non contact Temperature Pyrometer, IR Thermometer, Pyrometer with Transmitter, Gun Type Pyrometer	-30 to 1500°C
Black body source, Black Body Furnace, Pyrometer calibrator	-30 to 1500°C
Thermal Mapping Hot air oven, Furnace, Moving Chamber/furnace Deep Freezer, Refrigerator BOD Incubator, Incubator, Autoclave	-80 to 1200°C
Humidity and Temperature Mapping Temperature and humidity Chamber Climatic Chamber, Environmental chamber Dew Point Chamber	5 to 95%rh @ 25 °C 5 to 60%rh @ 50%rh 20 to 95%rh @ 20 to50 °C -20 to 50°C



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For Detailed Scope Please refer below link

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Electro-Technical discipline scope details in different groups



6.5 Digit Multimeter



Stop Watch



High Current source



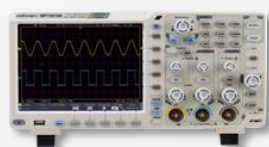
Power meter



High Voltage source



Resistance Box



Oscilloscope



Clamp meter



LCR Meter



Controller



Multifunction Calibrator



Power source



Data logger

Calibration Instruments	Parameter	Range	
Measure Type Multimeter (upto 6.5 digit) Clamp meter Earth Resistances tester Digital/Analog Insulation Tester LCR Meter Power meter Frequency meter Capacitances meter Oscilloscope Temperature controller Data logger Ammeter/Voltmeter/ohm meter Process indicator		Source	Measure
	DC Voltage	0.1mV to 1000V	0.1mV to 30kV
	AC Voltage	1mV to 1000V	1mV to 25kV
	DC Current	1 μ A to 1000A	1 μ A to 100A
	AC Current	30 μ A to 1000A	10 μ A to 10A
	DC Resistance	0.001 Ω to 1000M Ω	0.005 Ω to 1000M Ω
	AC Resistance (1Hz)	1 Ω to 10 k Ω	1 Ω to 10 k Ω
	Capacitances (1Hz)	100 pF to 100 μ F	100 pF to 100 μ F
	Inductance (1Hz)	100 μ F to 10 H	100 μ F to 10 H
	Frequency	1Hz to 1100MHz	3Hz to 1000KHz
	RTD	-200°C to 800°C	-200°C to 850°C
Measure & Source Type Temperature calibrator Multi function Calibrator mA/mV Calibrator / Loop Calibrator RTD/Thermocouple Calibrator	THERMOCOUPLE E-Type B-Type J-Type K-Type N-Type S / R-Type T-Type	-200°C to 1000°C 600°C to 1800°C -200°C to 1200°C -200°C to 1340°C -200°C to 1300°C 0°C to 1750°C -200°C to 400°C	-200°C to 1000°C 450°C to 1800°C -200°C to 1200°C -200°C to 1350°C -200°C to 1300°C 0°C to 1750°C -200°C to 400°C
	DC POWER	0.1W to 20kW	Timer 1s to 86400s
	AC POWER	4W to 6kW	
	POWER FACTOR	0.2PF (Lead/Lag) to UF	
Source Type Voltage/Current source Multi product calibrator High Voltage/Current source AC/DC Resistance box Inductance / Capacitances box Frequency generator RTD/Thermocouple Source mA/mV source Timer/Stop Watch	Oscilloscope AC/DC Voltage Bandwidth Time Base	1mV to 25V 50 kHz to 1.1 GHz 1 ns to 5s	

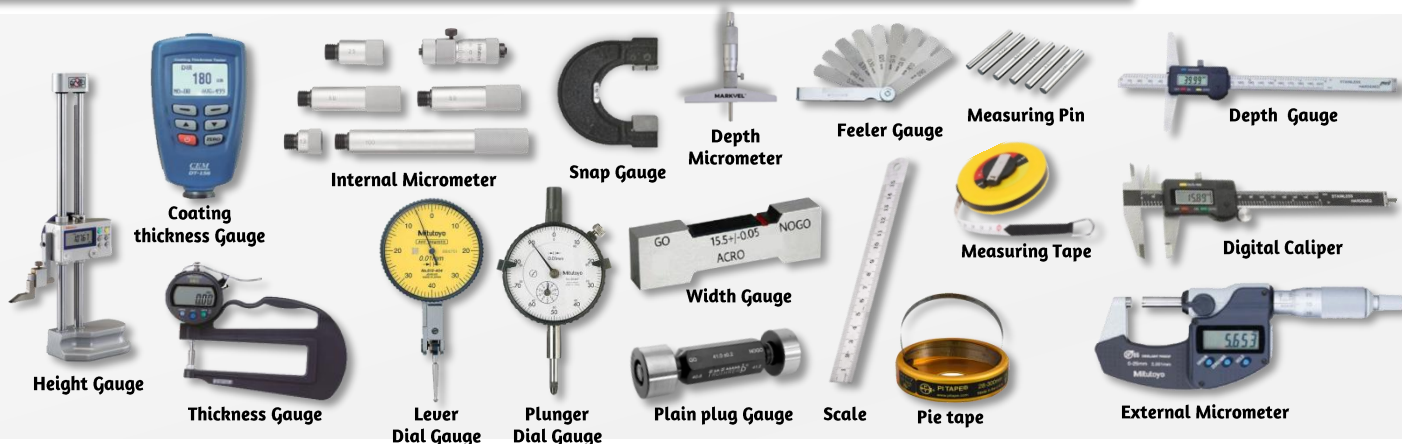


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Dimension discipline scope details in different groups



Instruments	Range
THICKNESS GAUGE (DIAL / DIGITAL)	0 to 25 mm
DIAL CALIPER GAUGE (INT / EXT)	2.5 mm to 100 mm
WIDTH GAUGE	> 0.5 mm to 20 mm
THREAD MEASURING WIRES	1 mm to 6.35 mm
LEVER TYPE DIAL GAUGE	0 to 0.8 mm/0.14 mm
VERNIER/DIAL/DIGITAL CALIPERS	0 to 600 mm
BORE GAUGE (Only Transmission error)	0 to 1.2 mm
DEPTH GAUGES	0 to 300 mm
DEPTH MICROMETER	0 to 300 mm
EXTERNAL MICROMETER	0 to 300 mm
FEELER GAUGE	0 to 2 mm
HEIGHT GAUGE	0 to 600 mm
INTERNAL MICROMETER	> 50 mm to 300 mm
MEASURING PIN	0.5 mm to 25 mm
MICROMETER SETTING STAND	0 mm to 300mm
PISTOL CALIPER	0 to 50 mm
PLAIN PLUG GAUGE	3 mm to 100 mm
PLUNGER DIAL GAUGE	0 to 25 mm
SNAP GAUGE	> 3 mm to 100 mm
Master Foils	0.01to 3 mm
Measuring Tape/Pie Tape,	0to 30 m
Measuring Scale	0 to 1000 mm
Coating Thickness Gauge	0 to 2.0 mm



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Mechanical discipline scope details in different groups



Instruments	Range
Tachometer Speed Indicator with sensor	Acceleration (speed) 6 rpm to 99950 rpm (non-contact) 6 rpm to 10000 rpm (contact)
Sound Level Meter	Acoustics(sound) 94dB & 114 dB @ 1kHz
Pressure/Vacuum Gauge Pressure Calibrator/switch Pressure indicator with transmitter Analog/Digital Manometer Analog/Digital Barometer Low Pressure Calibrator	Pressure ± 25mbar ± 200 mbar 0.1 bar to 3 bar(Abs) -1 bar to 35 bar 0 to 1000 bar
MICRO PIPETTE, Pipette, Burette, Volumetric Flask, Measuring Cylinder & Volumetric Flask	Volume 1 µl to 10 ml 1 ml to 5000ml
E2,F1,F2,M1.. Class Weights F2,M1,M2.. Class Weights M1,M2,BRASS,IRON Class Weights	Mass (weights) 1 mg to 220g 500 g to 20 kg 20 kg to 50 kg
Weighing Scale / Balance Electronic Weighing machine, Analytical Balance	Weighing Scale and Balance 1mg to 300kg

For detailed Scope please refer our below Scope Link or Contact our Marketing Executive



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Non Accredited Calibration details

Instruments



pH Meter



TDS Meter



Online pH & Conductivity Meter



Pen type pH meter



Anemometer



Lux Meter



Conductivity Meter

Lab can Calibrate the Instruments with traceable Instruments / Solution
Range of calibration depends on Instrument specification or availability of references

MANUFACTURER OF: CALIBRATORS

Liquid Calibration Bath, Dry Block Temperature Calibrator, Temperature Black Body Source, Pressure Calibrator, Humidity / Temperature Calibration System, Master RTD, & Thermocouple, Etc.,.

LIQUID ANALYZING INSTRUMENTS

Online Ph / ORP / Conductivity / TDS Meter, Digital Nephelometer, Colony Counter, Online Ph / ORP / Temperature Controller, RO Controller, Etc.,.

PROCESS CONTROL INSTRUMENTS

5½ Digit Process Indicator, Autoclave Controllers, Environmental Monitoring System & Controller, Universal Data Logger, Water Flow Meter, Digital Timer, Counter, Rate/ RPM / Frequency, Indicator & Controller, Jumbo Display, DC Drives, Single / 3 Phase Thyristor Power Regulator, Etc.,.

SENSORS

Temperature Sensors, Humidity Sensors, Pressure Sensors, Level Sensors, PH Sensors, ORP Sensors, Conductivity Sensors, TDS Sensors, Proximity Sensors, Flow Sensors, Etc.,.

OUR CALIBRATION FACILITIES

THERMAL, MECHANICAL & DIMENSION, ELECTRO TECHNICAL, ANALYTICAL INSTRUMENTS, Etc.,.



MECHANICAL LAB

THERMAL LAB



THERMAL LAB



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