



Certi. No. CC-2132  
NABL Accredited Lab.

# SENSEWELL CALIBRATION SERVICES

**NABL ACCREDITED CALIBRATION LABORATORY**  
(In Accordance with ISO/IEC-17025:2017)

CALIBRATION AT PERMANENT LAB AS WELL AS AT CUSTOMER SITE

Standard  
Practices

Lowest  
Uncertainty

**ISO/IEC  
17025**

Quality  
Management

Customer  
Satisfaction

\* **MECHANICAL DISCIPLINE**

G DIMENSION-Basic Measuring Instruments, Gauges etc.

G MASS, BALANCE & VOLUME

G PRESSURE- Hydraulic & Pneumatic

\* **ELECTRO-TECHNICAL DISCIPLINE**

\* **THERMAL (TEMPERATURE) DISCIPLINE**

G Temperature, Humidity, Thermal Mapping/Validation



## PRESSURE CALIBRATION SCOPE

### TYPE OF INSTRUMENTS CALIBRATED

G Vacuum : - 0.95 bar

G Pressure : Up to 700 bar

G Low Pressure :  $\pm 35$  Kpa to  $\pm 2.5$  Kpa



## MECHANICAL CALIBRATION SCOPE

### TYPE OF INSTRUMENTS CALIBRATED

G External Micrometer 0 to 1000 mm

G Internal Micrometer 5 - 30 mm & 50- 1000 mm

G Calipers (Vernier /Dial/Digital) up to 1000 mm

G Depth Caliper (Vernier/Dial /Digital) 0 to 600 mm

G Depth Micrometer 0 to 300 mm

G Height Gauge (Vernier / Dial / Digital) 0 to 1000 mm

G Inside dial caliper (Groove Caliper) 5 to 100 mm

G Outside dial caliper (Pistol Caliper) 0 to 100 mm

G Plunger Dial Gauge up to 50 mm

G Lever Dial Gauge up to 1 mm

G Bore Dial Gauge 1.0 mm transmission

G Feeler Gauge 0-1 mm

G Plain Plug / Ring Gauge up to 225 mm

G Thread Plug / Ring Gauge up to 100 mm

G Bevel Protractor- 0° - 90°-0°

G Combination Set 0° - 180°

G Ultrasonic Thickness Gauge 1-100 mm

G Coating Thickness Gauge – up to 2mm

G Surface Plate – 2000x2000mm

G Measure Tape– up to 50 mtr

G Steel Scale – up to 1 mtr

G Radius gauge/Thread Pitch Gauge/Test Sieve



## MASS & BALANCE CALIBRATION SCOPE

### TYPE OF INSTRUMENTS CALIBRATED

G Weight box 1 mg to 20 Kg

G S.S Standard weights up to 20 Kg

G Analytical Balances up to 200 g

G Weighing Balances up to 50 Kg





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## ELECTRO - TECHNICAL CALIBRATION SCOPE

### TYPE OF INSTRUMENTS CALIBRATED

- G Digital Multimeter / Tong Tester
- G Clamp-Clip on Meter
- G Multi Function Calibrators

### Source -

- G 1mV to 1000V AC/DC Voltage,
- G 10  $\mu$ A to 20 A DC Current,
- G 29  $\mu$ A to 20 A AC Current,
- G 1  $\Omega$  to 1 G $\Omega$  Resistance,
- G 220 pF to 100  $\mu$ F Capacitance,
- G 1 Hz to 2 MHZ Frequency,
- G RTD PT-100 Temperature Simulation,
- G All T/C (K, J, R, S, T, B, E, N) Temperature Simulation

### Measure -

- G 1 mV to 1000 V AC/DC Voltage,
- G 10  $\mu$ A to 10 A AC/DC Current,
- G 1  $\Omega$  to 1 G $\Omega$  Resistance,
- G 1 nF to 100  $\mu$ F Capacitance,
- G 3 Hz to 1 MHZ Frequency,
- G RTD PT-100 Temperature Simulation,
- G All T/C (K, J, R, S, T, B, E, N) Temperature Simulation

### Insulation Tester

- G 10  $\Omega$  to 11.1111111 G $\Omega$  (5000 V DC)

### Stop Watch /Timer

- G 1 Sec to 86400 Sec (24 Hrs)

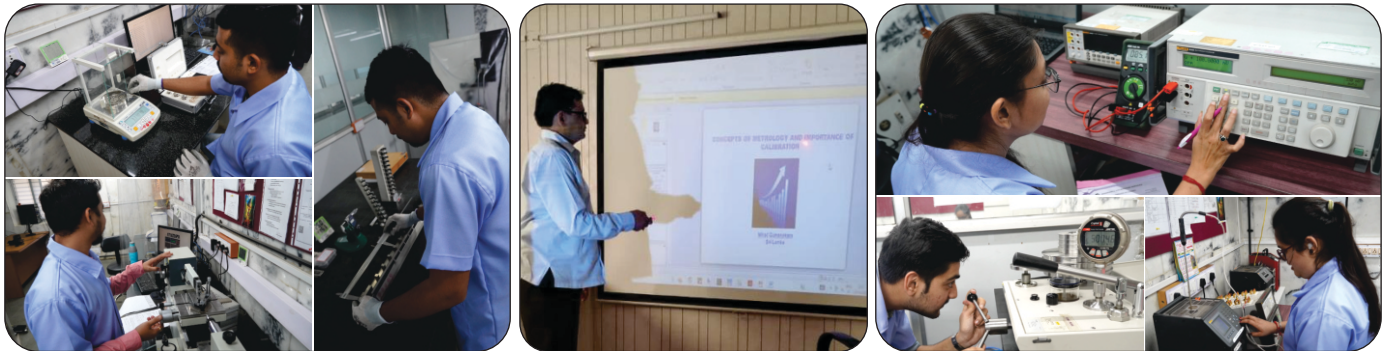


## THERMAL CALIBRATION SCOPE

### TYPE OF INSTRUMENTS CALIBRATED

- G RTD and T/C Sensors & Temperature Transmitter with Sensor (-196°C to 1200 °C)
- G Temperature bath (-45°C to 1200°C)
- G Data logger (10°C to 50 °C & 25 to 85 % RH)
- G Hygrometer (10°C to 50 °C & 25 to 85 % RH)
- G Infra Red Gun/ Thermometer (50°C to 500°C)
- G Glass Thermometer (50°C to 200 °C)
- G Oil Bath-Amb. to 350°C / Water bath-Amb. to 100°C
- G Temp. indicators with sensors (-196°C to 1200 °C)
- G Thermal Mapping (-80°C to 200 °C & 25 TO 85% RH)
- G Validation (-80°C to 200 °C & 25 TO 85% RH)
- G On Site Instruments (600 °C to 1200 °C)





### Our Associates



#### D.N. ENGINEERING SERVICES

Instrumentation contractor for erection  
Automation, Installation and commissioning of  
Process Instrument



#### SENSEWELL INSTRUMENTS PVT. LTD.

Manufacture of Temperature sensor, Control Panel  
Industrial Heaters/Oven/Furnace.  
Process control instruments & Automation

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