



## MECHATRON CALIBRATION & INSTRUMENT

CALIBRATION | CONSULTANT | TRAINING | SALES | SERVICES



**CALIBRATION | CONSULTANT | TRAINING | SALES | SERVICES**  
**NABL ACCREDITATION AS PER ISO / IEC 17025:2017**

OUR NABL CALIBRATION SCOPES

PRESSURE | THERMAL | ELECTRO-TECHNICAL | MASS & VOLUME | TORQUE | HARDNESS

WE ARE ONE OF THE BEST CMC FOR THERMAL CALIBRATION  
LABORATORY IN CHENNAI

WE ARE SPECIALIZE IN

MASTER EQUIPMENT CALIBRATION

CONSULTANT AND TRAINING FOR CALIBRATION LABORATORY

WE DO SALES & SERVICES FOR CALIBRATION EQUIPMENTS

# WE DO SALES & SERVICES FOR CALIBRATION EQUIPMENTS

## ABOUT US

MECHATRON CALIBRATION & INSTRUMENT: CALIBRATION | CONSULTANT | TRAINING | SALES | SERVICES.

We are NABL Accreditation As PER ISO/IEC17025:2017 by National Accreditation Board for Testing and Calibration Laboratories. We work with highly sophisticated Masters Equipment with skilled personnel for do calibration. We do consultancy for NABL Calibration and Testing Laboratory as per ISO/IEC 17025:2017 in INDIA and other countries. We provide training for ISO/IEC 17025:2017 certification, Measurement Uncertainty for calibration and testing laboratory, Basic fundamentals in calibration, Handling of Master Equipment etc., we deal with sales for calibration and automobile industries equipment. We are also provide service for all kind of equipment's in automobile and Pharma industry.



## PRESSURE LABORATORY:

We do calibration of Pressure and vacuum with the range of -0.95 bar to 700 bar and  $\pm 137$  mbar in both site and lab. We are having the high accuracy Master equipment in our laboratory to done the calibration of following equipment:

- Pressure / Vacuum Gauge
- Pressure / Vacuum Calibrator
- Pressure / Vacuum Switch
- Pressure / Vacuum Transmitter
- Pressure / Vacuum Transducer
- Pressure / Vacuum Indicator
- Pressure / Vacuum Recorder
- Manometer / Digital Manometer
- Differential Pressure Gauge
- Differential Pressure Transmitter
- Magnehelic Gauge



## THERMAL LABORATORY:

We are one of the best CMC laboratory in Chennai for both contact and Non-Contact type calibration we do calibration of Temperature and Humidity with the range of  $-80^{\circ}\text{C}$  to  $1200^{\circ}\text{C}$  Contact Type RTD, Thermocouple Calibration,  $30^{\circ}\text{C}$  to  $1200^{\circ}\text{C}$  for IR Thermometer and Pyrometer calibration and 10%RH to 95%RH for Thermo Hygrometer, Humidity sensor calibration in both site and lab. We do mapping / Validation in the range of  $-80^{\circ}\text{C}$  to  $1200^{\circ}\text{C}$  & 10 %RH to 95%RH for all type of Furnace, Hot air oven, Chambers, Incubator, freezers, Cold room and Storage room. We are having the high accuracy Master equipment with best CMC in our laboratory to do the calibration of following equipment.



- Infrared Thermometer ( $50^{\circ}\text{C}$  to  $1200^{\circ}\text{C}$ )
- Pyrometer ( $30^{\circ}\text{C}$  to  $1200^{\circ}\text{C}$ )
- Glass Thermometer ( $-80^{\circ}\text{C}$  to  $250^{\circ}\text{C}$ )
- Thermo Hygrometer (10% RH to 95%RH)
- Temperature and Humidity Transmitter (10% RH to 95%RH)
- Humidity Sensor (10% RH to 95%RH)
- RTD / Thermocouples ( $-80^{\circ}\text{C}$  to  $1200^{\circ}\text{C}$ )
- RTD / Thermocouples with indicator ( $-80^{\circ}\text{C}$  to  $1200^{\circ}\text{C}$ )
- Temperature Gauge ( $-80^{\circ}\text{C}$  to  $1200^{\circ}\text{C}$ )
- Temperature Switches ( $-80^{\circ}\text{C}$  to  $1200^{\circ}\text{C}$ )
- Temperature Transmitter ( $-80^{\circ}\text{C}$  to  $1200^{\circ}\text{C}$ )
- Temperature Indicator with sensor ( $-80^{\circ}\text{C}$  to  $1200^{\circ}\text{C}$ )
- Data Logger with RTD Sensor ( $-80^{\circ}\text{C}$  to  $600^{\circ}\text{C}$ )
- Data Logger with Thermocouple ( $250^{\circ}\text{C}$  to  $1200^{\circ}\text{C}$ )
- Data Logger with Humidity Sensor (10% RH to 95%RH)
- Freezer / Deep Freezer (Single / Multi point) / Mapping
- Autoclave / Hot air oven (Single / Multi point)/ Mapping
- Furnace / Muffle Furnace (Single / Multi point) / Mapping
- Humidity Chamber / Cold Room(Single / Multi point) / Mapping
- Water Bath / Refrigerator (Single / Multi point) / Mapping
- Environmental/Climatic Chamber(Single/Multi point) / Mapping



## ELECTRO-TECHNICAL LABORATORY:

We do calibration of DC Voltage, Resistance, Temperature Controller / indicator), Timer and Stopwatch in the range of 5s to 24 hours in both site and lab. We having the high accuracy Master equipment in our laboratory to done the calibration of following equipment:

- DC Voltage (1mv to 1100 mv)
- Resistance ( $4 \Omega$  to  $4 K\Omega$ )
- Temperature Controller (S, N, J, K, B, R, E, T, RTD)
- Temperature Indicator (S, N, J, K, B, R, E, T, RTD)
- Digital Timer (5s to 24 hrs.)
- Digital stopwatch (5s to 24 hrs.)



## MASS & VOLUME

we do calibration of weights / weighing balance / Pipette / Glassware & Burette in the range of 1mg to 50kg of weights and 1mg to 2 Ton of weighing balance & Volume 10  $\mu$  Liters to 10 Liters.

- weights 1mg to 50kg
- weighing balance 1mg to 2 Ton
- Volume 10  $\mu$  Liters to 10 Liters.



## SALES | SERVICES | SUPPORT FOR CALIBRATION

We do Sales, Services and also Support for Calibration from NABL Accredited Laboratories with ISO 17025

Pressure & Vacuum - Gauge / Indicator / Controller / Transmitter - Manometer - Magnehelic Gauge - Sound Level Meter - Tachometer - RPM Source / Indicator - Centrifuge - Weights - Weighing Balance - Micro Pipette - Burette - Glasswares - RTD Sensor - Thermocouple Sensor - Glass Thermometer - Humidity Sensor - Thermo Hygrometer - Temperature & Humidity Indicator - Temperature & Humidity Controller - BOD - Incubator - Hot Air Oven - vacuum Oven - Muffle Furnace - Humidity Chamber - Climatic Chamber - Environmental Chamber - TDS Meter - pH Meter - Conductivity Meter - Spectro Photo Meter - Multi Product Calibrator - Multifunction Calibrator - Digital Timer - Stop Watch - Digital Multimeter - High Voltage Source - Earth Resistance meter - Energy Meter - Earth Resistance - Torque Wrench - Torque Indicator - Push/ Pull Gauge - Load Cell & Vernier, Micrometer, Scale, Tape, Thread Plug/Ring Gauge, Height Gauge, Slip Gauge, Plunger/ Lever Dial Gauge, Bore Gauge etc.,



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