

INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENTS, MUMBAI

WORKSHOP ON CALIBRATION OF PRESSURE, TEMPERATURE & FLOW MEASURING INSTRUMENTS

(Course Code No. 2665101)

DURATION	Three Days
DATES	12 th – 14 th May 2026
TIMINGS	10.00 a.m. to 5.30 p.m. daily
VENUE	IDEMI, Mumbai
INTAKE CAPACITY	25 participants
FEE/PARTICIPANT	Rs. 10,620/- (Rs. 9,000/- + 18 % GST) per participant Payment can be transferred through NEFT/RTGS or DD drawn in favour INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENTS, Payable at Mumbai in advance to confirm the nomination. You can also make online payment on link https://rzp.io/l/xHtZG5GfX

WHO SHOULD ATTEND

Engineers who are connected with Temperature, Pressure & Flow measuring related instruments and are responsible for Maintenance, Calibration & Testing of such instruments or Quality Control activities of the organization. The professionals who are involved, in project formulation, selection of instruments or dealing with Application Engineering & hence useful for marketing personnel as well.

SPECIFICALLY THIS COURSE IS DESIGNED FOR LABORATORY PROFESSIONALS.

WHY SHOULD YOU ATTEND?

The program deals with the entire range of Temperature, Pressure & Flow related instruments and renders a systematic approach in measurement, calibration, typical errors in measurement and their estimation. The program demonstrates the practical-skills in handling this range of instruments, which will meet requirements of ISO/IEC17025:2017 & specific criteria for Temperature, Pressure & Flow Measurements.

WHAT THE PROGRAM CONTAINS

TEMPERATURE

1. Identify different temperature measuring instruments used in industry.
2. International Temperature Scale ITS 90.
3. Describe the working principles of temperature sensors RTD, Thermo couples etc.
4. Calibration of Temperature Sensor .
5. Temperature Indicators & Controllers.
6. Glass type of Thermometer.
7. Selection & Applications of Temperature measuring Instrumentation.
8. Specific Criteria of Laboratory accreditation for Thermal Measurement as per NABL 129
9. Overview of Measurement Uncertainty in temperature measurements.

PRESSURE

1. Understand the concept of pressure and its units of measurement used in engineering applications.
2. Explain the operating principles of various pressure measuring instruments.
3. Pressure Standards & Traceability
4. Overview of Pressure Measurement Techniques.
5. Calibration of Pressure Gauges.
6. Pressure Indicators and Transmitters.
7. Select appropriate pressure measuring instruments for different industrial and laboratory applications.
8. Specific Criteria of Laboratory accreditation for Pressure Measurement as per NABL 129
9. Overview of Measurement Uncertainty in pressure measurements.

FLOW

1. Understand basic concepts of fluid flow and flow measurement.
2. Identify different Flow measuring instruments used in industry.
3. Describe the working principles of different types of flow measuring instruments used in industry .
4. Calibration of Flow Meters.
5. Specific Criteria of Laboratory accreditation for Fluid Flow as per NABL 129
6. Overview of Measurement Uncertainty in Flow measurements.

FACULTY

The Faculty will be drawn from highly experienced Instrumentation Professionals and IDEMI Laboratories who are experts in Industrial Instrumentation and calibration techniques.

CERTIFICATE OF PARTICIPATION WILL BE ISSUED TO EACH PARTICIPANT
