



Calibration of Electrical and Electronic Measuring Instruments

Course Objective

Measuring equipment is used for the process control, quality control and quality assurance in many industrial production processes. Examples of measurements are force, torque, pressure, time frequency, speed, flow rates, liquid level, length, strain, stress, surface finish and temperature. The program aims at providing the participants with a good understanding of the types, selection, constituting elements, dynamic performance and calibration of measuring devices and systems.

Who Should Attend?

Engineers and highly qualified technicians with a good command of technical English whose jobs include the use, maintenance and calibration of measuring equipment.

Course Duration: Five days

Course Outlines:

- Selection, errors and calibration of measuring instruments.
- Elements of an instrument system.
- Dynamic performance of instrument systems.
- Potentiometer and bridge circuits.
- Measurement of force, torque and pressure.
- Measurement of time, frequency and speed.
- Measurement of flow and viscosity.
- Measurement of liquid level and quantity.
- Measurement of length and surface finish.
- Measurement of strain and stress.
- Measurement of temperature.