

Course Overview:

This course describes the basic inspection and maintenance requirements for calibration precision measuring devices and tools. The use of this standard by individuals or organizations that use measuring devices and tools to make quantitative measurements to demonstrate compliance with a specified requirement.

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

Course Outline:

- 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.
- Voltage.
- Current.
- Amperes.

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.

Training Language:

EN / AR

Training Methodology:

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation

Venue | Date | Fees

Riyadh | 15-10-2023 | 10,350 SAR
Khobar | 24-12-2023 | 10,350 SAR
ONLINE | 24-12-2023 | 7,475 SAR