

**Course Overview:**

This course covers the key aspects of industrial instrumentation and is designed to enable maintenance personnel to carry out commissioning, calibration and maintenance of the typical devices used for measurement in industrial systems.

**Course Objective:**

- Identify The Various Methods Of Signal Transmission
- Correctly Connect Electrical And Air-Powered Devices
- Understand The Equipment Used In Temperature, Pressure, Level And Flow Measurement
- Understand Current Loops And Recognise The Common Output Devices
- Correctly Use A Range Of Industrial Calibration Equipment

**Course Outline:**

- Instrumentation Signaling and Plant Applications
- General Terminology of Process Instrumentation
- Level Measurement Methods – Technology, Advantages/Disadvantages and Good Installation Practices
- Flow Measurement Methods – Technology, Advantages/Disadvantages and Good Installation Practices
- Temperature Measurement Methods – Technology, Advantages/Disadvantages and Good Installation Practices
- Analytical Instrumentation

**Who Should Attend:**

All those working on process plants that are familiar with the general purpose of process measuring instruments and control equipment.

**Training Language:**

EN / AR

**Training Methodology:**

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