



Objectives

Who should attend?

Prerequisite knowledge Programme

Duration

The objective is to provide participants

The course is designed to provide delegates with the necessary skills to understand and improve measurement solutions in the automation industry. It will enable delegates to understand the fundamentals and terminology of field instrumentation plus process control technology and strategies.

The training/workshop will include an overview of terminology, principle of operation, standard applications, installation requirements and safety instruction.

No particular prerequisite knowledge is required for this course.

Day 1: (Flow Workshop)

- § Electro magnetic flow
- § Vortex
- § Coriolis
- § Ultrasonic
- § DP primary elements
- § Variable area

Day 2: (Level Workshop)

- § Capacitance
- § Ultrasonic
- § Microwave
- § Point level measurement e.g. tuning fork

Day 3: (Pressure & Temperature Workshop)

- § Gauge and absolute pressure measurement
- § Differential pressure measurement
- § Pressure in level measurement
- § Pressure in flow measurement
- § RTD and PT100/1000 temperature measurement
- § Thermocouple temperature measurement

Day 4: (Wet Analysis Workshop)

- § Conductivity
- § pH and redox

Day 5: (Process Control Technology Workshop)

- § Basic concepts
- § Introduction to PID control
- § Ratio control
- § Cascade control
- § Feed forward control
- § Digital controllers

5 days