



Objectives

The course is designed to provide delegates with the necessary skills to understand and improve measurement solutions in the Automation Industry. To enable delegates to understand the fundamentals and terminology of Field Instrumentation plus Process Control technology and strategies.

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

Who should attend?

The course is suitable for Apprentices, Junior Instrument Engineers, Technicians, Project Engineers and Supervisors who require a practical knowledge for selection and implementation of measurement systems.

Prerequisite knowledge Programme

No particular prerequisite knowledge is required for this course.

Day 1:

Technologies covered:

- § Gauge and absolute pressure measurement
- § Differential pressure measurement
- § RTD and PT100/1000 temperature measurement
- § Thermocouple temperature measurement
- § Fieldbus communications

Topics covered:

- § First principles and terminology
- § Pressure in level measurement
- § Pressure in flow measurement
- § Installation criteria
- § Effects of pressure and temperature on the measurement
- § Installation criteria
- § Compensation methods
- § Hands-on exercises

Duration

1 day