



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

No particular prerequisite knowledge is required for this course.

Programme

Day 1:

Technologies covered:

- § Conductivity – contacting
- § Conductivity - inductive
- § pH
- § Redox
- § Dissolved oxygen
- § Fieldbus communications

Topics covered:

- § First principles and terminology
- § Selection of transmitters
- § Selection of probes
- § Selection of probe holders
- § Installation criteria
- § Application considerations
- § Calibration techniques
- § Effects of pressure and temperature
- § Hands-on exercises

Duration

1 day