



**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 an 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:

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

Topics covered:

- § First principles and terminology
- § Flow profile
- § Measuring error due to installation
- § Installation criteria
- § Selection of a flow measurement system
- § Comparing different measuring systems
- § Calibration techniques
- § Effects of pressure and temperature
- § Hands-on exercises

**Duration**

1 day