

# FLOW METROLOGY

## Aim of course

An introduction to the fundamentals of Flow metrology, which is the science of accurate measurement, in the following fields:

Attendees will be provided with fundamental technical knowledge of flow metrology and measurement systems, as well as Flow Calibration procedures and uncertainty budgets.

This course introduces the various sensors used in the industry, as well as their calibration against traceable standards.

## Pre-Requisites for attending this course

- Measurement System (Part 1 & 2)
- Uncertainty of Measurement – Physical Measurements

## Course content

Flow fundamentals

Uncertainty of measurement

Analysis of results

Calibration systems

Differential pressure flow

Turbine flow measurement

Output signals

Positive displacement flow measurement

Magnetic flow measurement

Coriolis mass flow measurement

Ultrasonic flow measurement

Vortex flow measurement

Variable area flow measurement

Other types of flow meters: thermal, target, pitot tube, open channel, magnetic channel, etc

## Who should attend

## Course Duration

5 Days

## Evaluation

Daily tests and the passing of a final examination are required in order to successfully complete this course.