

HUMIDITY METROLOGY



Aim of Course

The course forms the basic building block for personnel who wish to gain fundamental knowledge and background in making traceable measurements in the humidity field. It serves as an introduction to the fundamentals of Humidity Metrology, which is the science of accurate humidity measurements.

Whilst the course has an emphasis on making measurements in a calibration environment, it is equally useful to anybody that is required to make accurate measurements in the field or process plant application as it will make the student aware of what is required to get an accurate measurement and what precautions to take to ensure the readings are reliable.

Pre-Requisites for attending this course

- Introduction to Measurement (strongly recommended)
- Method Validation (Calibration) (strongly recommended)
- Uncertainty of Measurement - GUM (Physical)

Course Overview

- Metrological definitions
- What is humidity
- Humidity Terms and Definitions
- Effect of temperature and pressure on humidity
- Methods for measuring humidity
- Selection of humidity instruments
- Calibration of humidity instruments
- Humidity reference standards
- On-site calibration of humidity installations
- Practical work

Who should attend?

Calibration technicians, metrologists, testing laboratory personnel, quality control personnel, instrumentation and process control technicians.

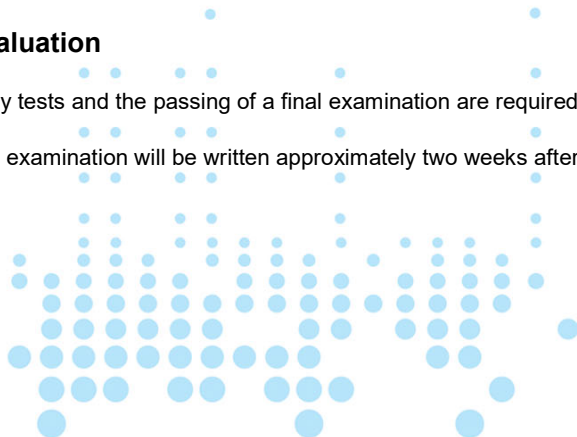
Course Duration

3 Days

Evaluation

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

The examination will be written approximately two weeks after the completion of the course.



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