

Duration: 3 Days**Training Sessions:** 29 – 31 January 2018 (Bangkok)
1 – 3 October 2018 (Bangkok)**Fees:** 18,500 Baht / Person***Ref.** EN 14127 / ASME 5**Suitable for:**

Inspectors, QA/QC Engineers and Technicians
from inspection and maintenance departments

Objectives:

At the end of the training course, you will be able:

- To select the appropriate instrument which fits to the material to be inspected
- To adjust the parameters of the instrument
- To perform thickness measurements

This course includes practical workshops

Content:**ULTRASOUNDS PHYSICS**

- Types of waves
- Sound wave propagation
- The transformation of waves and conversion modes

GENERALITIES ON THE THICKNESS MEASUREMENT

- Principles
- Measurement techniques
- Possibilities and extent of the method
- Quality of the measurement
- Measures at hot temperature
- Standards

EQUIPMENT

- Ultrasonic devices and displays
- Transducer
- Calibration and reference blocks

PREPARATION OF THE MEASUREMENT

- Information required
- Materials and structures to be inspected
- Precautions
- Geometric considerations
- Preparation of surfaces to be inspected
- Influence of temperature
- Data entry

PRACTICAL WORKSHOPS

- Choice of the transducer (Φ and frequency)
- Measurement standards
- Thin-walls
- Materials of various grades
- Small diameter pipes
- Examination report

* Excluding VAT - Published prices and schedules are subject to change without advance notification

* Registration fees are inclusive of lunch and coffee breaks