

Metrology & Electrical Measurement

A 3-day course on the basic principles & techniques of electrical metrology

Fluke South East Asia Pte Ltd and Institute of Technical Education (ITE), Singapore are pleased to jointly organize a new 3-day course – TRC 2000: Metrology & Electrical Measurements.

Objectives

To understand the techniques for calibration and measurement theory and perform accurate electrical and electronic measurements

Description

This 3-day course covers electrical/electronic measurements, calibration, and practical tips. It discusses the techniques for precision measurements and the reasons for these techniques. Hands-on sessions are provided to demonstrate and verify the concepts in precision measurement theory. Participants will become more productive in performing precision measurements when they understand the techniques for precision measurements and the reasons for their use.



Course Outline

- A. Introduction to metrology
- B. Why calibrate?
- C. SI units
- D. Primary units
- E. Guarding, grounding & shielding
- F. Uncertainty
- G. Statistics
- H. Specifications
- I. Measurement errors
- J. Cables & connectors
- K. DC ratio
- L. DC voltage
- M. Resistance
- N. AC-DC transfer

Hands-on are included to allow each student to exemplify the measurement theory covered in the sessions.

Who Should Attend

This class is ideal for those whose work involves precision measurement and calibration. Participants should have a basic electronics background and an understanding of calibration and measurement theory.

Course Information

Training Date: 15 – 17 June 2009
14 – 16 December 2009
(9:00am to 5:00pm)

Course duration: 3 days

Trainer: Mr. Woon Kin Seong
Mr. Chng Wee Kian
ITE Lecturers

Location: ITE College Central (MacPherson)
Block D Room 206 (D206)
201 Circuit Road
Singapore 379498

Course Fee: Pls refer to your local Fluke Representative for course fees.

Certificate: This course has been approved for 21 PDU units under the Professional Engineer Board (PEB) Continuing Professional Development program.

A certificate of training will also be issued upon successful completion of the course.

Registration: Ms. Stephanie Quek
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For more information, please call us or log on to our website at www.fluke.com.sg.