



Ascendent Technology Sdn. Bhd.
(1093652-W)



Applicable



SBL Claimable

Electrical Calibration



DIGITAL MULTIMETER CALIBRATION (Competency Training)

PROGRAMME OVERVIEW:

This digital multimeter calibration training module is designed to meet ISO quality management system requirement include ISO 9001, ISO14001, ISO/IATF 16949, ISO 22000, ISO/IEC 17025, GMP, HACCP and other quality management systems. The calibration procedure is direct measurement technique. This module includes the evaluation of measurement uncertainty base on ISO Guide to the expression of uncertainty in measurement (GUM) and finally generate calibration certificate.

TARGET GROUP:

Quality Managers, Technical Managers, Laboratory Managers, Supervisors, Chemist, Engineer, Signatories of test reports & certificates, Laboratories Personnel.

OBJECTIVE:

At the end of the course, participants are expected to:

- 1) Acquire basic knowledge and able to calibrate multimeter according to EURMET-cg15
- 2) Perform calibration independently
- 3) Perform necessary calculations include uncertainty estimation based on ISO Guide. [according to the model given only]
- 4) Able to generate ISO quality management system accepted calibration report

CONTENT:

- 1) Principle of metrology and ISO requirements in calibration
- 2) Scope Calibration of Digital Multimeter with differences ranges
- 3) References
- 4) Standard used
- 5) Environment condition
- 6) Pre calibration inspection
- 7) Calibration procedure
 - i. DC voltage calibration
 - ii. AC voltage calibration
 - iii. Resistance calibration
 - iv. DC current calibration
 - v. AC current calibration
- 8) Measurement uncertainty calculation
- 9) Guidelines on the determination of measurement uncertainty
- 10) Work example

METHODOLOGY :

Lectures, discussion, demonstration, hands-on practice and practical exercises

CERTIFICATE :

Candidate is required to complete an assessment either on day 2 or within 2 weeks after the training is conducted.

- ✓ Certificate of competency - achieves score point 70% and above
- ✓ Certificate of attendance - achieves score point below 70% or no submission of assessment

REMARK:

- 1) Candidate is advisable to bring tumb drive or notebook.
- 2) Candidate need to bring along their scientific calculator for assessment.
- 3) Candidate is required to complete the assessment during training or must submitting the completed assessment within 2 weeks after the training is completed.
- 4) Certificate will be issued based on score point in the assessment.
- 5) The original marked assessment paper will return to customer together with certificate. Candidate with poor score is advisable to re-seat for training and assessment.

CONTACT US FOR MORE DETAILS

<ul style="list-style-type: none"> ✧ Public Training ✧ In-House Training ✧ Customade training ✧ HRDF SBL Scheme claimable for private sector ✧ e-Perolehan applicable for government sector 	<ul style="list-style-type: none"> ❖ Tel: 603-6156 0813 ❖ HP: 012-417 3813 (JOYCE) ❖ Email: training@ascendent.com.my ❖ Web: www.ascendent.com.my
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