



Ascendent Technology Sdn. Bhd.
(1093652-W)



MICROMETER CALIBRATION (Competency Training)

PROGRAMME OVERVIEW:

This 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. Participant is anticipated to acquire knowledge in micrometer calibration according to JIS B 7502 both digital and analog readout. This module includes the evaluation of measurement uncertainty base on ISO Guide to the expression of uncertainty in measurement (GUM).

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 in using micrometer both digital and analog
- 2) Perform calibration independently according to JIS B 7502
- 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 requirement on calibration.
- 2) Traceability
- 3) Error in Measurement
- 4) Understand the equipment and its uses
- 5) Reading the digital & analog scale of micrometer
- 6) Correct method of handling
- 7) Care and maintenance
- 8) Step-by-step data collection with respect to metrology characteristics of micrometer.
- 9) Practice of at least 2 models, step-by-step guiding on calibration procedure
- 10) Uncertainty calculation and presenting calibration result.
- 11) 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.
- 6) Candidate with poor score is advisable to re-seat for training and assessment.

CONTACT US FOR MORE DETAILS

- ✧ Public Training
- ✧ In-House Training
- ✧ Customade training
- ✧ HRDF SBL Scheme claimable for private sector
- ✧ e-Perolehan applicable for government sector

- ❖ Tel: 603-6156 0813
- ❖ [HP: 012-417 3813 \(JOYCE\)](tel:012-4173813)
- ❖ Email: training@ascendent.com.my
- ❖ Web: www.ascendent.com.my

ASCENDENT TECHNOLOGY SDN. BHD.

Lot 941-1, Jalan Industri 10, Kampung Baru Sungai Buloh, Seksyen U19, 40610 Sungai Buloh, Selangor

