



Ascendent Technology Sdn. Bhd.
(1093652-W)



Claimable



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BALANCE & THERMOMETER CALIBRATION (Competency Training)

PROGRAMME OVERVIEW:

This balance and thermometer calibration training module is designed to meet ISO quality management system requirements including ISO 9001, ISO 14001, ISO/IATF 16949, ISO 22000, ISO/IEC 17025, GMP, HACCP and other quality management systems. It is the combination of balance calibration module and thermometer calibration module. Balance calibration procedure is according to EURAMET-cg18 and thermometer is adopted from EURAMET-cg8, ASTM E644-06 and ASTM E564-02. This module includes the evaluation of measurement uncertainty based 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 balance and thermometer
- 2) Perform calibration independently
- 3) Perform necessary calculations including 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) Understand the equipment and its uses
 - 2.1 Balance**
 - ✓ Type of standard weights
 - ✓ Care and maintenance
 - ✓ Environment

Method: EURAMET CG18
 - 2.2 Thermometer**
 - ✓ Liquid in glass thermometer
 - ✓ Electronic thermometer
 - ✓ Care and maintenance
 - ✓ Mending of broken column
 - ✓ Environment

Method: ASTM E563 Ice Point
ASTM E220 Thermometer Calibration
- 3) Calibration instruction of Balance & Thermometer
 - Pre calibration inspection
 - Step by step data collection with respect to metrology characteristics of balance and thermometer.
 - Practice of at least 2 models, step by step guiding on calibration procedure
- 4) Uncertainty calculation and presenting calibration result
 - Compare with standards
 - Work example
- 5) Conclusion and Q & A sessions

METHODOLOGY :

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

CERTIFICATE :

Participants are required to complete a project usually at the end of training or within 2 weeks of completion of the training

- ✓ Certificate of competency - achieves score points above 70 %
- ✓ Certificate of attendance - score points below 70 % or no submission of project

REGISTRATION FORM (E002):

PUBLIC TRAINING

Course Fee : RM 3,000 Per Pax
Training Date : Refer to Training Calendar
Venue : **Ascendent Training Room**
Duration : 3 Days
Time : 9:00 AM - 5:00 PM
Venue : Ascendent Technology Sdn Bhd
HRDF : Claimable

Participant : Mr / Ms
 Designation :
 NRIC :
 Mobile No. :
 Email :

IN-HOUSE TRAINING

Course Fee : RM 6,000 Per Day
Duration : 3 Days
Time : 9:00 AM - 5:00 PM
HRDF : SBL - Khas
Maximum No. : 5 - 25 Candidates

Participant : Mr / Ms.....
 Designation :
 NRIC :
 Mobile No. :
 Email :

Participant : Mr / Ms.....
 Designation :
 NRIC :
 Mobile No. :
 Email :

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CANCELLATION / POSTPONEMENT POLICY

1. Ascendent Technology Sdn.Bhd. reserves the right to cancel, postpone or make any changes to the venue and training dates due to unavoidable circumstances.
2. Reservation can be made by telephone or email, but will only be confirmed upon the received of completed registration form and payment.
3. Please do not make any travel arrangements until you have received written confirmation for your registration from us.
4. No cancellation is allowed but a candidate replacement can be arranged.
5. For confirm cancellation: 7 days notice prior to commencement will subjected to RM250 service charge. If less than 7 days notice, there will be no refund.
6. Confirm postponement for in-house training less than 14 days notice prior to commencement will subjected to 50% service charge on total invoice.

PAYMENT DETAILS

All cheques should be crossed and made payable to: **ASCENDENT TECHNOLOGY SDN BHD** Bank A/C No. **Maybank** 5127-6360-6820.

Admittance will be permitted upon receipt of full payment 2 weeks before the course is conducted.

Training certificate will be awarded upon received of full payment

FOR HR DEPARTMENT

Company Name:

Contact Person: Mr / Ms:

Address:

Designation:

Department:

Email:

Mobile No:

Signature:

Company Stamp:

Training Date:

Telephone:

Type of Industry: