



**Ascendent Technology Sdn. Bhd.**  
(1093652-W)



Claimable



SBL Claimable



## BALANCE 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. The calibration procedure is according to EURAMET-cg18 which is the latest development in metrology. This module include 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 balance with resolution of 0.1 mg to tons of loading capacity according to EURAMET-cg18
- 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 requirement on calibration.
- 2) Understand the equipment and its use
- 3) Balance construction principle
- 4) Care and Maintenance
- 5) Weighing Bench
- 6) Environmental Condition
- 7) Other Important Items Calibration
- 8) Step by step procedures are carried out based on ASTM E898-88, clause 7.2 off – centre
- 9) Repeatability, linearity and settling time.
- 10) Perform necessary metrological calculation for balance.
- 11) Estimate uncertainty of test base on ISO Guide.
- 12) Calculation and Interpretation
- 13) Conclusion and Q & A sessions

**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

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**ASCENDENT TECHNOLOGY SDN. BHD.**

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