

## **CALIBRATION SYSTEMS**

### **OBJECTIVE**

This program is designed to enable the participants to acquire the practical knowledge and skills in identifying, organising and controlling calibration activities carried out for Inspection, Measuring and Test Equipment.

### **COURSE CONTENTS**

- ◆ Definition Of Calibration
- ◆ What is Metrology
- ◆ Measurement Terminology
- ◆ Essential Requirements in Establishing In-House Calibration Program
  - Measurement Traceability
  - Reference Standards
  - Reference Materials
  - Measurement Uncertainty
  - Environmental Conditions
  - Determination of Calibration Interval
  - Transport and Storage
  - Calibration Certificate
- ◆ ISO 9000 Quality System Requirements For Calibration
- ◆ Develop and Document an ISO 9000 Quality Procedure for Calibration
- ◆ Control, Calibrate and Maintain Inspection, Measuring and Test Equipment
- ◆ Develop and Document Work Instruction on Internal Calibration Procedure
- ◆ Design and Formulate Internal Calibration Records
- ◆ Review and Interpret External Calibration Report
- ◆ Practical Exercise on Identifying Inspection, Measuring and Test Equipment which requires External and/or Internal Calibration
- ◆ Conduct Practical Exercise in Determining the Type Of Measurements to be made and the desired Degree of Accuracy
- ◆ The Competence of a Testing and Calibration Laboratories can be demonstrated by providing evidence of compliance to ISO /IEC 17025 requirements
- ◆ General Discussion

### **WHO SHOULD ATTEND**

This program is designed for Quality Control / Quality Assurance / Technical and Engineering Personnel who are involved in managing testing and calibration activities.

### **AWARD OF CERTIFICATE**

**Certificate of Attendance will be issued to participants who have attended at least 75% of the course.**

### **DURATION**

2 Days (9:00am – 5:00pm)

### **COURSE FEES**

Member: \$428 Non-Member: \$449.40 All fees inclusive of 7% GST.  
(Fees inclusive of 2 tea breaks, training material & certificate of attendance)

### **FOR RESERVATION**

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