



CODE: LMS002-P

# EVALUATION OF MEASUREMENT UNCERTAINTY

## COURSE OBJECTIVE:

Measurement uncertainty describes a region about an observed value of a physical quantity which is likely to enclose the true value of that quantity. Reporting measurement uncertainty is compulsory for MS ISO/IEC 17025 accredited calibration and mechanical testing laboratories. At the end of the course, participants are expected to acquire general knowledge related to measurement uncertainty, metrology term and able to evaluate of measurement uncertainty in calibration and testing laboratories.

## METHODOLOGY:

Lecture, Work Example, Exercise.

## Who Should Attend?

Management Representatives, Managers, Department Heads, Supervisors, Engineers, Chemist, QA/QC, and those involved in Testing, Sampling and Calibration activities.



Training notes, lunch, refreshments, and certificate of attendance will be provided.

## COURSE CONTENT:

- ❖ Introduction on Measurement Uncertainty.
- ❖ Basic Statistical Calculation.
- ❖ Where Error & Uncertainty come from.
- ❖ Type of Distribution.
- ❖ Type A & Type B Evaluation of Standard Uncertainty and Degree of Freedom.
- ❖ Steps of Uncertainty Calculation.
- ❖ Worked Example for Uncertainty Calculation.

## PROFESSIONAL TRAINER



**Mrs. Hasnas Binti Hussain**  
[hasnas@onegasmaster.com](mailto:hasnas@onegasmaster.com)

Mrs. Hasnas is specialized in the measurement, calibration, and laboratory management system since 2004. She has successfully set up one of the branches laboratories for accreditation from Standards Malaysia and is listed as one of SMM Approved Signatory. She also experiences support the company as trainer for metrology courses and support to coordinate calibration item to outsource laboratories. Her valuable experience working in accredited calibration laboratory has exposed her to the whole process of calibration industry.

## REGISTRATION FORM (LMS002-P)

Training Date: \_\_\_\_\_

### **Participants:**

(Please fill in participant details if more than 3 pax):

Name: \_\_\_\_\_

Gender: \_\_\_\_\_

IC Number: \_\_\_\_\_

Designation: \_\_\_\_\_

Department: \_\_\_\_\_

Mobile No.: \_\_\_\_\_

Email: \_\_\_\_\_

Name: \_\_\_\_\_

Gender: \_\_\_\_\_

IC Number: \_\_\_\_\_

Designation: \_\_\_\_\_

Department: \_\_\_\_\_

Mobile No.: \_\_\_\_\_

Email: \_\_\_\_\_

Name: \_\_\_\_\_

Gender: \_\_\_\_\_

IC Number: \_\_\_\_\_

Designation: \_\_\_\_\_

Department: \_\_\_\_\_

Mobile No.: \_\_\_\_\_

Email: \_\_\_\_\_

### **TRAINING INVESTMENT**

**Registration Fee:** RM 1,400 per participant

**Discount:** 5% discount (3 pax & above)

**Duration:** 2 Days

**Time:** 9:00 am - 5:00 pm

#### **Venue:**

**One Gasmaster Sdn. Bhd.,**

No 18, Jalan PJU 3/48,  
Sunway Damansara Technology Park,  
47810 Petaling Jaya, Selangor, Malaysia.

#### **For HR Department (Customer)**

Company Name:

Address:

Tel No.:

Contact Person:

Designation:

E-mail:

Signature:

Company Stamp:

### **REGISTRATION & CANCELLATION POLICY:**

1. ONE GASMATER SDN. BHD. reserves the right to cancel, postpone or make any changes to the venue and training dates due to unavoidable circumstances.
2. Early registration is strongly encouraged. Registration can be made no later than 7 days before the training date.
3. Please do not make any travel arrangements until you have received confirmation for your registration.
4. No cancellation is allowed after training confirmed. Please arrange replacement for candidate if required.

### **PAYMENT DETAILS:**

#### **HRD Corp Claimable Course**

Refer to HR Department for HRD Corp grant application and claim submission.

#### **Non HRD Corp Claimable Course**

All payment must be received 5 working days prior to the training date.

Kindly refer invoice for bank details.

REMARK: Certificate will be issued after received full payment.

18, Jalan PJU 3/48, Sunway Damansara Technology Park, 47810 Petaling Jaya, Selangor, Malaysia.

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