



FIVE-DAY TRAINING COURSE Metrology & Calibration

Suitable for:
Head of Laboratory, Quality Manager,
Maintenance Laboratory, Plant
Maintenance Department, Quality
Control, Quality Auditors

Training Code: 5D1
Duration of the Training Course: 5 Days
Period: ___ to ___ / ___ / ___

DAY 1 Basic Metrology

Program Day 1

Time	Description	Location	Note
9:30	Why the Metrology	Training room	
10:30	Units and Standards		
10:30	Coffee break		
11:00	Errors in Measurement	Training room	
12:00	Uncertainty Estimation	Training room	
13:00	Lunch		
14:30	Accreditation Bodies and NMI	Training room	
16:00	Measurements traceability	Training room	
16:30	Calibration Certificates	Training room	
17:00	Standard and norms	Training room	
17:30	End of the section		

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DAY 2 Pressure Measurements

Program

Time	Description	Location	Note
9:30	Basic of Pressure Calibration Procedure	Training Room	
10:30	Coffee Break		
11:00	Pressure measurements	Training Room	
12:00	Pressure Sensors and Transducers	Training Room	
13:00	Lunch		
14:30	Measurement Standards	Training Room	
16:00	Calibrators	Training Room	
16:30	Calibration Certificates	Training Room	
17:00	Recalibration period	Training Room	
17:30	End of the section		

DAY 3 Use and Maintenance of Pressure Balances

Program

Time	Description	Location	Note
9:30	Basic information about Pressure Balances	Training Room	
10:30	Coffee Break		
11:00	Introduction to the theory of the pressure balances	Training Room	
12:00	Evaluation of Uncertainty Measurement	Training Room	
13:00	Lunch		
14:30	Installation of a pressure balance	Training Room	
16:00	Use of a pressure balance	Training Room	
16:30	Maintenance of a pressure balance	Training Room	
17:00	Disassembly and transport of a pressure balance	Training Room	
17:30	End of the section		



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DAY 4

Temperature Measurements

Program

Time	Description	Location	Note
9:30	Basic information about calibration procedures	Training Room	
10:30	Coffee Break		
11:00	Temperature Measurements	Training Room	
12:00	Temperature sensors	Training Room	
13:00	Lunch		
14:30	Calibration of temperature instruments	Training Room	
16:00	Example of Uncertainty Estimation	Training Room	
16:30	Example of Calibration Certificate	Training Room	
17:00	Recalibration period	Training Room	
17:30	End of the section		

DAY 5

Laboratory Organization

Program

Time	Description	Location	Note
9:30	Basic information on ISO 17025	Training Room	
10:30	Quality Manual	Training Room	
11:00	Coffee Break		
11:30	Quality Manual	Training Room	
12:00	Management Procedures	Training Room	
13:00	Lunch		
14:30	Operating Procedures	Training Room	
16:00	Laboratory environmental conditions	Training Room	
16:30	Training of the people involve in the operations	Training Room	
17:00	Sheets of measurement standards and planning	Training Room	
17:30	End of the course and delivery of certificates of attendance		