



ADVANCED TEMPERATURE MAPPING

2 DAY TRAINING COURSE

Our courses are designed to provide practical validation knowledge and experience allowing you to perform effectively.

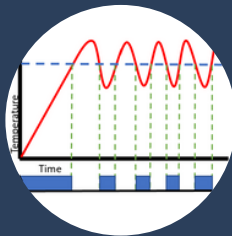


Introduction to Temperature Mapping

Regulations and Guidance

Validation Testing

- Validation Risk Assessments
- Protocol Development
- Sensor Locations
- Commissioning
- Installation Qualification
- Operational Qualification
- Performance Qualification



Parameter Measurement

- How Thermocouples Work
- Thermistors, Thermocouples and RTDs
- Humidity Measurement
- Measurement of Gases
- Validation Equipment Overview

Calibration

- Temperature Calibration
- Humidity Calibration
- Risk Assessments for Routine Calibration
- Calibration Equipment Overview



Control Methods

- PID Control
- Open Loop Control
- Closed Loop Control

Controlled Temperature Units (CTUs)

- Liquid Nitrogen Storage
- Ultra Low Freezers
- Laboratory Fridges, Freezers and Incubators
- Walk-in Cold Stores and Freezers
- Warehouses
- Shaking Incubators

Preventative Maintenance and Failure Modes

- CTU Servicing
- Alarm Monitoring Systems
- Failure Modes and Detection



WHERE AND WHEN?

Online

Via Zoom and our training platform www.thermalcompliance.com

Onsite

At your facility, our Training Centre or one of our public hotel courses.

Our Public course dates are listed at www.thermalcompliance.co.uk

Bespoke

Our courses can be adapted to your site, our trainers can use your loads, your validation equipment and your process

WHO SHOULD ATTEND?



VALIDIATION



QUALITY ASSURANCE

FURTHER LEARNING

We also offer the following training courses:

Introduction to Autoclaves

Advanced Autoclave Validation

Contact Us For More
Information :

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