

PID Controllers (3 Term Controllers) Training Course

More Control offer you standard training courses and bespoke courses which are tailor made for the user, whether responsible for maintenance, engineering or information management. Our qualified trainers all have practical, professional experience and know how to apply theoretical knowledge in practice.

Training Course Objectives

A practical, hands on course suitable for technicians and Engineers who are responsible for commissioning, maintaining and fault finding on industrial plant which utilises PID controllers (3 Term controllers). The course gives practical hands on experience in connecting, wiring, and parameter setting for PID controllers. Each delegate will have the opportunity to measure and record different sensor characteristics, connect them to a PID controller, set up and observe the affect of altering the Proportional, Integral and Derivative parameters on the system under control.

Training Course Content

Measuring and recording sensor characteristics.

- Type J Thermocouples

- Type K Thermocouples

- PT100 Resistance sensor

Wiring PID controllers

How PID Controllers works

Proportional Control

Proportional + Integral control

Proportional + Integral + Derivative Control

PID parameter setting

The affect of changing parameters

Auto Tuning Systems

Fault Finding

Training Course Aims

At the end of the course delegates will have a good understanding of how PID controllers (Three term controllers) work, safe wiring practice, how to set and change PID parameters and fault find.

Course Duration

1 Day on site, on your premises at a time and date of your choice.

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