

# PROFIBUS Refresher Training

*A one-day course aimed at people with some experience of PROFIBUS who need to refresh their working knowledge of it and learn how to ensure that new and existing networks can be qualified and supported.*

## Who is this course aimed at?

This is a one-day training course aimed at people who have some knowledge of PROFIBUS networks and who have attended and passed the Certified PROFIBUS Installer course sometime in the past.

## What does the course cover?

The course will start with a working network consisting of a PROFIBUS Master, between 12 and 18 PROFIBUS DP Slaves, 4 PROFIBUS PA slaves, a pair of Diagnostic Hubs, a PA segment protector, a Permanent Monitor, and FDT Asset Management Tool. The network consists of devices from several manufacturers including Siemens, Pepperl + Fuchs, WAGO, Ideal Networks, Procentec, and Endress+Hauser. This will form the backdrop of the course to allow the following topics to be discussed:-

- An overview of PROFIBUS DP / PA networks and terminology.
- PROFIBUS DP / PA Installation Requirements and Qualification.
- EMC and Lightning Protection Considerations.
- An introduction to PROFIBUS in Hazardous Areas.
- Benefits and use of Diagnostics Hubs in PROFIBUS DP networks.
- Benefits and use of Fibre Optic Hubs in PROFIBUS DP networks and how to qualify the link.
- Benefits and use of PROFIBUS PA segment protectors.
- PROFIBUS DP / PA Operational Requirements and Qualification.
- Benefits and use of laptop-based analysers and Permanent Monitors in PROFIBUS DP and PA networks.

- Asset Management and the use of FDT technology.



Procentec Fibre / Copper Diagnostic Hub

## Where is the course delivered?

The course has been developed by Control Specialists Ltd, a PROFIBUS and PROFINET International Training Centre (PITC) and an organisation with regular experience in supporting PROFIBUS networks. It is not however a PI-certified course (see note over the page).

The course is available for on-site delivery and at selected locations around the country for up to 12 people (see the training page of our web site for dates).



Endress+Hauser FieldGate FDT tool.

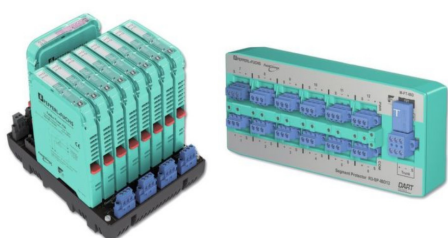


Control Specialists Ltd



# PROFIBUS Refresher Training

Control Specialists Ltd are a PROFIBUS and PROFINET International Training Centre (PITC) who also provide site-based support on PROFIBUS, PROFINET, AS-I and CAN networks.



Pepperl+Fuchs PA Segment Power / Protectors

Peter Thomas of Control Specialists Ltd is the technical officer of PI UK and chairman of the PITC working group which, amongst other things, is responsible for defining the learning outcomes of PI-certified training courses.



Ideal Networks FibreMaster



Procentec Combricks Permanent Monitor

Dates and locations of our scheduled courses can be found on the training page of our web site -

<https://controlspecialists.co.uk/support/industrial-network-support/training/courses/>

For further information or to discuss the possibility of running this course at your premises for between 6 and 12 people, please contact:



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## Other Courses by Control Specialists Ltd:

Control Specialists are accredited to deliver the following PI-certified training courses:-

- Certified PROFIBUS Installer
- Certified PROFIBUS Engineer
- Certified PROFIBUS Network Designer

- Certified PROFINET Installer
- Certified PROFINET Engineer

## Non-certified Courses

- EMC Awareness for Industrial Automation.
- CANOpen in Industrial Automation.
- ASi in Industrial Automation.