

Manchester Metropolitan University Automation Systems Centre PROFIBUS Commissioning and Maintenance Course



A one-day course designed as an add-on to the Certified PROFIBUS Installer Course covering the practical techniques of fault finding on “operational” PROFIBUS networks.

Why an additional day of training?

The one-day Certified PROFIBUS Installer Course gives an excellent introduction to PROFIBUS technology and how to properly layout and install networks. The verification and faultfinding methods taught are however generally limited to non-operational networks and static testing.

The 4/5-day Certified PROFIBUS Engineer Course covers the full in-depth theory and practice of PROFIBUS operation and faultfinding. Although it is desirable to have one or two fully qualified PROFIBUS Engineers, it is by no means essential that all maintenance personnel be so highly trained.

The PROFIBUS Commissioning and Maintenance Course provides an intermediate level of training covering faultfinding and maintenance techniques for application on **operational** PROFIBUS systems.

What does the course cover?

This is a practical course based around a working PROFIBUS network with operational devices. Each pair of students has a modern notebook computer with hardware and software for PROFIBUS device exercising and faultfinding.

Techniques taught on the course include the use of a modern PROFIBUS analyser and Class-II master (engineering tool) to diagnose network faults, device faults and I/O problems. Students also learn how to use a digital storage oscilloscope in conjunction with these tools to diagnose and locate cable, connection and device faults.



Students learn how to quickly interpret standard and extended diagnostic messages that are part of the standard PROFIBUS protocol. These diagnostics can help to rapidly locate a wide range of operational faults on working systems.

Address	Device Name	Manufacturer	Model	Serial Number	IP Address	Port	Device Type	Device Status
1000	1000	1000	1000	1000	1000	1000	1000	1000
1001	1001	1001	1001	1001	1001	1001	1001	1001
1002	1002	1002	1002	1002	1002	1002	1002	1002
1003	1003	1003	1003	1003	1003	1003	1003	1003
1004	1004	1004	1004	1004	1004	1004	1004	1004
1005	1005	1005	1005	1005	1005	1005	1005	1005
1006	1006	1006	1006	1006	1006	1006	1006	1006
1007	1007	1007	1007	1007	1007	1007	1007	1007
1008	1008	1008	1008	1008	1008	1008	1008	1008
1009	1009	1009	1009	1009	1009	1009	1009	1009
1010	1010	1010	1010	1010	1010	1010	1010	1010
1011	1011	1011	1011	1011	1011	1011	1011	1011
1012	1012	1012	1012	1012	1012	1012	1012	1012
1013	1013	1013	1013	1013	1013	1013	1013	1013
1014	1014	1014	1014	1014	1014	1014	1014	1014
1015	1015	1015	1015	1015	1015	1015	1015	1015
1016	1016	1016	1016	1016	1016	1016	1016	1016
1017	1017	1017	1017	1017	1017	1017	1017	1017
1018	1018	1018	1018	1018	1018	1018	1018	1018
1019	1019	1019	1019	1019	1019	1019	1019	1019
1020	1020	1020	1020	1020	1020	1020	1020	1020

Why must I do the Installer Course first?

The Maintenance Course teaches how to find and locate faults in working PROFIBUS systems, however the technician must have a good understanding of the types of faults that can occur and their causes. The Certified PROFIBUS Installer Course provides the basic grounding which is essential to understanding these more advanced techniques.



The course is also available for on-site delivery for up to 12 people.

As an optional addition to the on-site training, we can offer half a day of on-plant training for the engineers who take the Installer and Maintenance Course. This can involve supervised checking of a working system at the customer's site.

Note that responsibility for plant production and personnel safety will remain the responsibility of the Company should this option be chosen.

Booking Information - Download the booking form and further details from: www.profi-bus.co.uk

For dates, prices, booking information & onsite courses contact:

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In-Depth Technical Information

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Other Courses at the Automation Systems Centre at Manchester Metropolitan University

Certified Open-PLC Engineer Course

2½-day practical course on manufacturer-independent control system programming using the international standard IEC 61131-3.

Certified PROFIBUS Installer Course

Internationally accredited one-day course covering the layout, installation and maintenance of PROFIBUS networks. Suitable for people with no previous fieldbus experience.

Certified PROFIBUS Engineer Course

Internationally accredited 3½ day in-depth course covering PROFIBUS DP and PA network design commissioning and maintenance. Suitable only for engineers with some prior experience of fieldbus.

