

PITC – Profibus International Training Centre



PROFIBUS TRAINING

Certified Engineer Course

- Certified 3.5 day course covering the theory of Profibus DP network operation. Includes Profibus Network Design, Commissioning and Fault-Finding



Overview

Pentair is the first International Profibus Training Centre (PITC) in Australia accredited by Profibus International. 'Certified' training courses conducted by the PITC are designed to provide graduates with an internationally recognised qualification in Profibus technology.

All courses are conducted at Pentair (Sydney). PITC trainers are available to travel interstate for onsite courses.

Who should attend?

The Certified Engineer Course is designed for Engineers and Technicians who already have basic technical knowledge of Profibus.

They must have completed the Certified Installer Course and the Commissioning and Maintenance Course before enrolling in the Engineer Course. The Engineer course is the most important qualification issued by Profibus International.

What does the course cover?

The course is 3.5 days of intensive theory and practical exercises in the operation of Profibus DP and PA networks.

Course students will learn the detailed operation of Profibus networks including all aspects of the protocol involved in DP and PA systems (DPVO) and (DPV1). The course includes basic cyclic data exchange (DPVO) as used in Profibus DP and PA systems.

Considerable time will be spent on debugging Profibus systems and exploring the Profibus communications protocol and telegrams using an analyser.

Additional topics covered include:

- How to design a PROFIBUS network to give reliable operation and avoid common pitfalls.
- How to check out networks and quickly locate faults.
- Understand the messages that pass between PROFIBUS devices.
- How the network is configured and started up. How the network deals with conflicts and other errors.
- Learn how to use an analyser to capture PROFIBUS telegrams and how to interpret the data.
- Learn, first hand, the effects of failed devices, wiring faults and configuration errors.



Key Course Information

- Engineer Course is accredited by Profibus International.
- Certified Installer and Commissioning and Maintenance are prerequisites for entry to the Certified Engineer Course.
- Includes theory and practical tests. All tests are open book.
- Includes use of diagnostic tools to detect faults.
- Successful graduates are awarded Certified Profibus Engineer status. Graduates are entered onto the PAA and Profibus International Honour Rolls.
- The course Booking Form and payment information can be found on PITC website

www.profibuscentre.com.au

PITC Contact Information

Sharee Hazell – Training Coordinator
Mobile: 0409 774 837
Email: sharee.hazell@pentair.com

Vladimir Vukovic – Senior Lecturer
Phone: 02 9794 3500
Email: vladimir.vukovic@pentair.com

Saiyaz Hasim – Senior Lecturer
Phone: 02 9794 3500
Email: saiyaz.hasim@pentair.com

Postal address:
Pentair Actuation & Controls
4/57 Pine Road, Yennora NSW 2161

