

PLC5 ADVANCED

The advanced course is aimed at personnel who have gained a thorough basic understanding of the PLC-5. The course has been designed to introduce some of the more complex functions and facilities associated with the PLC-5. The Student will require an understanding of basic PLC-5 or should have already completed a PLC-5 4 day maintenance course.

Where possible, application specific exercises, actual drawings and programs listings are used to allow the students to gain the greatest possible benefit from the course.

COURSE CONTENT

Instruction Set

An investigation into the more complex instructions including:

- ✓ Introduction to files.
- ✓ File arithmetic and logic instructions.
- ✓ File search and compare functions.
- ✓ Program control instructions including subroutine programming.
- ✓ Fault routines and selectable timed instructions.
- ✓ Block transfer instructions

Remote I/O

Description and demonstration of remote I/O and Block Transfer functions.

Analogue PID control

Revision of analogue modules and an introduction to the PID function. Illustrating how to program and configure a closed loop system.

Alarm Handling

Demonstration of how to sort signals and incorporate them into an alarm section of a program, explaining the operation.

Message Printing

An introduction to the message instruction and how to interface it with the alarm package from the previous module to print alarm messages.

Data Highway Plus, Communications

Demonstration of the hardware involved in a DH+ communication system. As well as the software configuration required to initialise communications and fault finding procedures.

Course Reference
AB5ADV

Course Duration
3 Days

Documentation
Allen Bradley PLC5
Advanced Training
Manual.

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