



Introduction to Programmable Controllers

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COURSE CONTENT

AIM

To provide a working knowledge of the principles of programmable controllers and their process plant applications.

PRE-REQUISITES

There are no pre-requisites.

COURSE DURATION

The duration of the course is five days.

OPTIMUM NUMBERS

The optimum number of delegates on the course is 6.

TRAINING AIDS

OHP, Video, TV, Handouts, demonstration and practice.

COURSE SYLLABUS

Introduction to Programmable Controllers

Programmable Control System
Programmable Control Units

The Programmable Controller Central Processing Unit

The Microprocessor
Numbering systems
Diagnostics
The Key Switch
The Scan Cycle

Memory

Read only memory
Read/Write memory
Memory maps

Input/Output

Digital input methods
Digital output methods
Analogue input example
Analogue output example

Programming Operations

Addressing
Ladder diagrams
Timers
Counters
Shift registers
Flip-flop
Latches

Master control and jump relays
Forcing

Glossary of Terms

Dates available on request