



Industrial Motor Control & Protection

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COURSE CONTENT

AIM

To provide electrical personnel with the understanding and knowledge of industrial motor control and protection.

PRE-REQUISITES

Delegates must be electrically biased.

COURSE DURATION

The course is of 10 days in duration.

OPTIMUM NUMBERS

The course caters for a maximum of 6 delegates due to the practical aspects of the course content.

TRAINING AIDS

Use will be made of PowerPoint presentations, course hand-outs and practical exercises. Schematic drawings, electrical motor circuits and Programmable Logic Controllers will also be used.

COURSE SYLLABUS

- Introduction
- Pre-Course Assessment
- Single Phase Motors
- 3 phase motors
- Connection of 3 Phase Motor Windings in Star / Delta
- Motor Protection
- Overload Relays and curves
- Fuses
- Currents
- Earthing & Earth Fault Loop Impedence Tests
- Motor Control
- Schematic Drawings
- Test Equipment
- Metrohm
- Multi-Meter
- Clip-on Ammeter
- Motion Sensors

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- Measuring Voltage, Current & Resistance
COURSE SYLLABUS CONTINUED
- Fault Finding
- Inspection & Testing
- Introduction to PLCs
- Digital Input / Output Methods
- Analogue Input / Output Methods
- Summary and Review
- Post Course Assessment

Dates available on request

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