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Product Name :	**Product Code :**
Complete Training System for Process Control Including Fault Finding	CE915

Description :

Complete Training System for Process Control Including Fault Finding

Technical Specification :

Complete training system for Process Control including fault finding
Complete training system to teach fault diagnosis and rectification in industrial processes. Faults are introduced by the instructor via switches concealed behind a locked compartment, to which the student does not have access. These switches provide both short circuits and open circuits and can also switch in or out circuit elements to simulate a variety of fault conditions. Additional faults can be inserted into the process through the replacement of working components with faulty ones, e.g. faulty flow switches; faulty relays; faulty solenoid coils and faulty control valve electronic circuit board. The process involves initially filling a header tank with water and then cycling the level between a set upper and lower limit, whilst simultaneously creating a demand from the header tank via two on/off solenoid drain valves into a sump tank.
Flow is produced by a pump and controlled by relay operated on/off solenoid valves which control:
The inflow of water to the header tank from the sump tank
The outflow of water from the header tank to the sump tank
The level of water in the header tank is monitored by float switches which open and close at the following points:
Header tank low (nearly empty)
Header tank normal operation lower limit
Header tank normal operation upper limit
Header tank overflow
Designed for students studying industrial process
maintenance, it can also be used as a process trainer in its own right, using either Industrial Process Controllers or

Programmable Logic Controllers (PLCs). A 34-252-1 PLC Board (supplied separately) is available for users to develop their own PLC programs.
Curriculum Coverage
Introduction to the system
Fault finding methodologies
Fault analysis flow charts
Fault finding from circuit diagrams
Fault identification to line replaceable unit level
Mechanical, electrical & electronic faults
Diagnostic tools
Maintenance procedures
Process control techniques
Fault finding processes controlled from electronic controllers
Interfacing to PLCs

Features:
Teaches Fault diagnosis
Faults introduced by teacher via switches housed in a lockable compartment
Can be externally controlled using process controllers and PLCs
Self-contained process
Wide range of faults easy to apply
Fully protected for safety
Comprehensive instructor & student manuals

Technical data:
Power requirements 220 – 250 V a.c. @ 250 VA or 110 – 125 V a.c. @ 250 VA, 50/60 Hz
Dimensions (net): width 1450 mm x depth 450 mm x height 70 mm

Naugralabequipments

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