Product Name :	**Product Code :**
Distributed Control System (DCS)	CE149

Description :

Distributed Control System (DCS)

Technical Specification :

Distributed Control System (DCS)
The Feedback Distributed Control System (DCS) trainer is a complete training solution that combines the operations of a leading commercial DCS process management controller package, namely the Emerson Delta V, with an assortment of our proprietary training rigs.
The training rigs offer a range of processes:
Level & Flow
Temperature
Pressure
Forced Air Cooling
These may be operated separately or combined to produce a multi-process, multi-loop system. The trainer is supplied complete with the PC, software, controller and I/O modules that are needed to monitor and control the process rigs. A control cabinet houses the components that provide the interface between the PC and the rigs. The control cabinet is easily connected to the PC and rigs using the supplied cables. The valves, transducers and transmitters associated with the training equipment are standard industrial components that operate using simple 4â€"20 mA current loop control, and 24 V d.c. The trainer can be used to perform a set of operations that will guide the student from the basics of field components in the process industry to the final control algorithms that are used in various applications.
Curriculum Coverage
Distributed control system background theory
Delta V Explorer

Trainer configuration
Basic on-off control
Advanced on-off control
Levels & alarms
Sequential function charts
PID control
Shutting down the workstation

Features:
Windows-based workstation
Includes a PC with speakers to provide graphical and audible alarms
Provides a graphical user interface
Includes an Emerson Delta V industrial controller
Continuous & sequential control of processes
Industry standard 4-20 mA signals with 24 V DC outputs
16 analogue & 8 digital inputs
8 analogue & 8 digital outputs
Displays graphical representations of the trainers and processes to simulate an industrial environment
â€žDesignâ€œ & â€žRunâ€œ modes
Controller & interface package housed in a 19 inch rack
Software provides an integrated SCADA environment with I/O tags held in a database
Comprehensive experiment manual.

Naugralabequipments

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