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Product Name :
Process Plant Trainer

Product Code :
ENGLABINGCAG8200004



Description :

Process Plant Trainer

Technical Specification :

A bench mounted process plant trainer with multiple streams both interacting and noninteracting. The process plant incorporates a miniature three-stage plate heat exchanger heated from a hot water circulator, two independent feed tanks, a holding tube with product divert valve and two variable-speed peristaltic pumps. Temperature, level, flow and conductivity control loops can be implemented. Manual control, single feedback loops, through to sophisticated cascade loops and distributed supervisory control of the whole process by a remotely located computer can be demonstrated. The effect of dead time and heat recycle can be demonstrated. An electrical console provides measurement and control of the process plant and enables a variety of control techniques including manual operation, on/off control, control from an external signal and control from a PC or PLC. The equipment incorporates electrical fault simulation and control, data logging software, and a USB computer interface.

Features of Process Plant Trainer (Process Control Trainer)

Multiple inputs, multiple sensors, multiple control strategies
Manual control, single feedback loops, through to sophisticated cascade loops
Temperature, level, flow and conductivity control loops can be implemented
Effects of dead time
Operational sequencing, including startup and shutdown



Engineering Lab Equipment India