



PROCESS PID CONTROL TRAINER-FLOW/LEVEL/PRESSURE/TEMPERATURE

RP 119

Description:

Controlling of various effective parameters plays an essential role in engineering processes. This unit facilitates practical learning in the control of four controlled variables which are common in process engineering. A circuit with a transparent tank is provided for the control of flow rate and level. The system is also equipped with a stainless steel pressurized vessel and double pipe heat exchanger for controlling pressure and temperature respectively. The device includes a variable-speed pump which acts as an actuator.

Specifications:

- Centrifugal pump
- Transparent tank equipped with ruler
- Pressure gauge
- Reservoir tank with electrical heater
- Pressure transmitter
- Relief valve
- Thermometer
- Inverter
- Rotameter
- Flow transmitter
- Temperature transmitter
- Double pipe heat exchanger
- HMI touch panel and PLC software
- Piping system with valves and fittings
- Wheeled carbon steel structure
- Installation and training video included
- Instructions manual included
- 10-year warranty

Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

Applications:

1. Effect of PID coefficients on device performance
2. Familiarizing with control of level, flow rate, pressure and temperature



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Required For Operation:

- 220V Single Phase Electricity
- Urban Water Supply
- Urban Water Drainage
- Distilled Water
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%



Dimensions (L*W*H) mm:1500×1000×1500

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