PID Controller Trainer, Level Control



Model: 608-000

DAC Worldwide's PID Controller Trainer, Level Control (608-000) is a realistic, rack-mounted process control simulation application allowing for basic training in industrial process control using a simulated level process application in conjunction with an optional PID process controller or PLC with analog capabilities. The system includes a power supply and connections for an external chart recorder and a signal generator.

First-Class PID Controller, Level Control Training

The system allows for classroom training of operators and maintenance technicians in the use of controllers in both automatic and manual modes. Indicators allow students to see the effect that a change in controller output has on final control element position and the process variable being controlled.

Based on the capabilities of the optional controller, the system allows the controller to be tuned to provide proportional, proportional plus integral (reset), proportional plus derivative (rate), and proportional plus integral plus derivative control actions. Both open and closed loop tuning techniques can be used.

Control valve response time and process tank capacity can be adjusted. The PID Controller Trainer, Level Control accepts and provides external 4-20mA DC control signals, allowing it to be interfaced with a variety of optional or user-supplied controllers. Optional signal generators and strip chart recorders can be easily connected.

FEATURES & SPECIFICATIONS

- 16-gauge steel cabinet.
- 1/8" aluminum, silk-screened, front-panel face.
- Mounts on 19" rack along with optional controller panel.
- Analog and digital controller characteristics.
- Internal power supply.
- Fuse protection.
- Banana-jack input and output connections.
- External chart recorder and signal generator connections (rear of enclosure).
- Strip chart recorder interface cable.
- Use Guide.

PRODUCT DIMENSIONS

DISCLAIMER: Product Dimensions are approximate. Shipping Dimensions and Weights are for directional use only and may change based on manufacturer variables. For the most accurate Shipping Dimensions and Weights, please contact the manufacturer.

- Product Dimensions

  (L x W x H)

  9in. x 19in. x 9in. (230 x 480 x 230 mm)

  35lbs. (16kg)
- Shipping Dimensions

  50lbs. (23kg)

UTILITIES

Requires 115V/60Hz/1Ph power

OPTIONS

- **Recommended #940FB - Control Module Frame w/Base Assembly Frame**
- **#600-051 - Strip chart recorder, 2-pen (Yokogawa, SR 1000) (required)**
- **#600-060 - Industrial PID controller w/panel (Honeywell UDC-3500,1/4 DIN) (required)**
- **#610-001 - Strip Chart Recorder, Benchtop**

Address

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