



Curriculum Coverage

- Acquiring Physical Phenomena
- On/Off Control
- PID Feedback Control
- Lead-Lag Compensation
- Feedback/Feedforward Control
- Ratio Control



Features

- Computer based Flow Control Trainer used to teach Flow Control
- Includes all required sensors to measure the flow
- For use with NI's Data Acquisition & Control hardware



Description

A bench-mount trainer for teaching flow control. It includes all the required sensors and actuators to perform a full experiments list for teaching flow control.

Developed for use with a wide variety of NI's data acquisition and control platforms - easy-to-use, highly expandable programmable automation controllers, intelligent communication interfaces, and rugged I/O mod-ules. These industrial I/O modules filter, calibrate, and scale raw sensor signals to engineering units and perform self-diagnostics to look for problems.

The curriculum covered includes teaching the principles of On/Off Control, PID control, Feedforward and other types of control used in the industry.

Components

- Level Switches
- Flow Meters
- Flow Control Valve
- Pump
- Variable Frequency Drive

NI¹ Compatible Platforms

- Compact RIO
 - Others²
- ¹ NI
² Please check with us about compatibility of other NI Platforms

Required NI Modules

- cRIO: NI-9215, NI-9203, NI-9474, NI-9263

Software

- User friendly with easy to use interface
- Developed using NI LabVIEW package
- Built-in safety features & limitations, and designed for students' use

Ordering Information Flow Control Trainer

FLCT001 - A - B

NI* Platform
1... cRIO

Power
1... 220 VAC

*Purchase NI Hardware Separately

For complete product specifications, pricing, and information:
e-mail: info@ti.jo / website: www.ti.jo