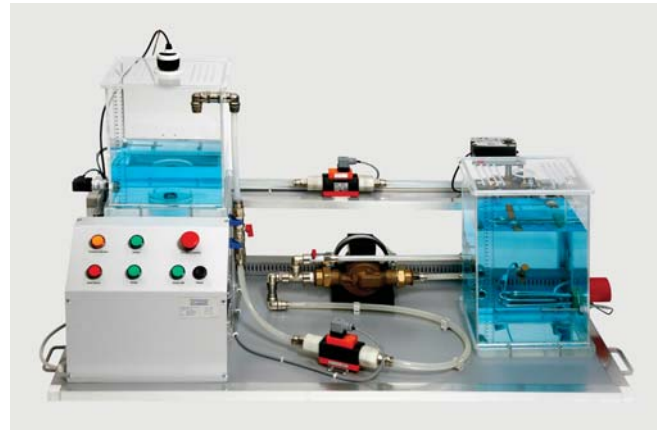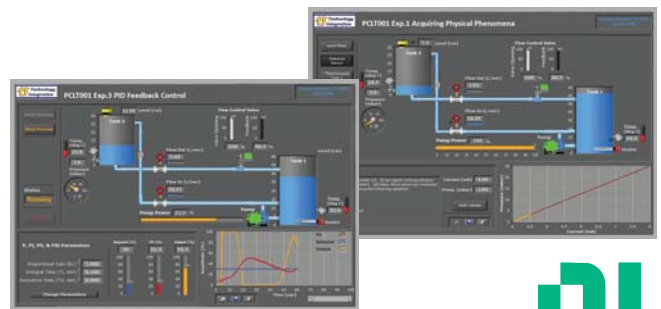# Pressure Control Trainer



## Curriculum Coverage

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



## Features

- Computer based Pressure Control Trainer used to teach Pressure Control

- Includes all required sensors to measure the Pressure

- For use with NI's Data Acquisition & Control hardware

## Description

A bench-mount trainer for teaching pressure control. It includes all the required sensors and actuators to perform a full experiments list for teaching pressure 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
- Pressure Sensor
- Flow Control Valve
- Pump
- Variable Frequency Drive

## NI[1] Compatible Platforms

- Compact RIO
- Others[2]

[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
### Pressure Control Trainer

PCLT001 - A - B

| NI* Platform | Power |
| --- | --- |
| 1... cRIO | 1... 220 VAC |

*Purchase NI Hardware Separately

and Images are subject to change at anytime without prior notice.