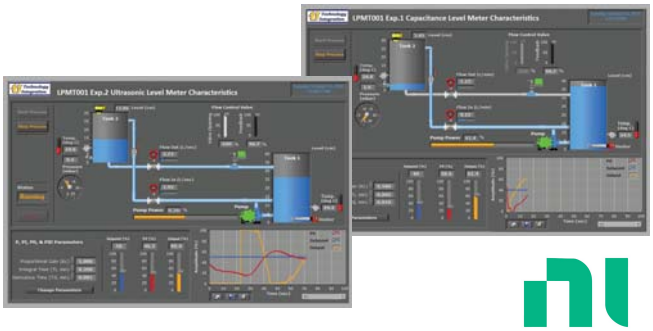
Level & Pressure Measurement Trainer

Curriculum Coverage

- Capacitance Level Meter Characteristics
- Ultrasonic Level Meter Characteristics
- Piezoresistive Sensor Characteristics
- Capacitance Change Sensor Characteristics (with option)



Features

- Computer based Level & Pressure Measurement Trainer used to teach level and pressure sensing technologies
- Includes all required sensors to measure level and pressure
- For use with NI's Data Acquisition & Control hardware

Description

LPMT001 is a bench-mount trainer that is used to teach students how to measure level and pressure using different types of measuring devices; Capacitance Level Meter, Ultrasonic Level Meter, Piezoresistive Pressure Sensor and Capacitance Change Pressure Sensor (option).

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 understanding the characteristics of the different level measuring devices and comparing between their different behaviors and characteristics.

Components

- Pump
- Flow Control Valve
- Piezoresistive Sensor
- Ultrasonic Level Meter
- Capacitance Level
- Capacitance Change Pressure Sensor (Option)

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
Level & Pressure Measurement Trainer

LPMT001 - A - B - C

NI* Platform	Power	Options
1... cRIO	1... 220 VAC	0... No Option 1... Capacitance Change Pressure Sensor

*Purchase NI Hardware Separately

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