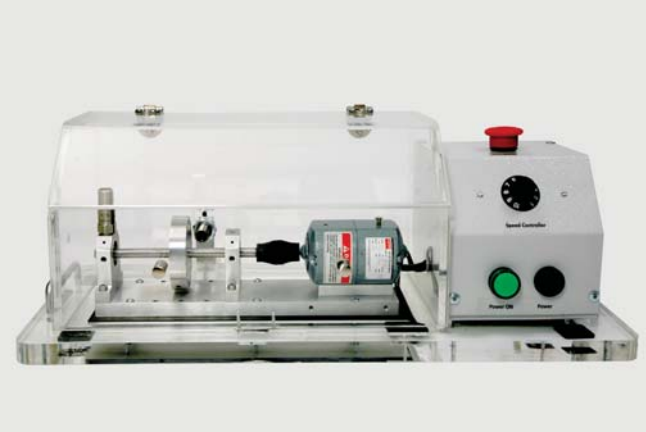
Position Control Trainer

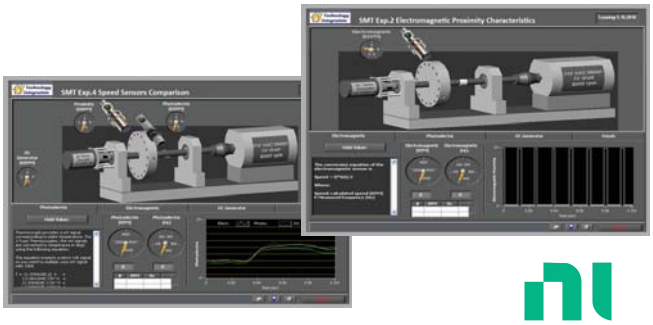
Curriculum Coverage

- Rotary Encoder Characteristics
- Speed & Position Measurement using Encoder
- PID control of the position of a rotating shaft



Features

- Computer based Position Control Trainer used to teach students how to control the position of a rotating shaft.
- Includes all required sensors to measure speed and position and actuators to control the position.
- For use with NI's Data Acquisition & Control hardware.



Description

Rotating components are basic parts in almost all industrial machinery; examples are generators, turbines, pumps... etc.

The objective of this trainer is to teach students how to measure the position and the speed of a rotating shaft using an encoder and how to control the position of a rotating shaft. The sensors used are a photoelectric sensor and a rotary encoder.

Components

- Motor
- Speed Controller
- Photoelectric Sensor
- Rotary Encoder Sensor

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-9425, NI-9403, NI-9263, NI-9477

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
Position Control Trainer

PCT001 - A - B

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

*Purchase NI Hardware Separately

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