

## Product Information Sheet

### Data Acquisition of Control Systems



This package can be used to introduce students to the monitoring and recording of control system performance using a PC.

#### The study module includes:

- Virtual instrument unit and software
- Curriculum manual

It is designed to provide an extension to work carried out using our **217-50 Transducers & Instrumentation Trainer**. A student workbook is provided - allowing students to record basic theory and practical results as they work through the curriculum manual. An instructor's guide provides solutions to all of the questions and practical activities contained in the curriculum manual.

#### The Virtual Instrument unit allows a PC to act as the following test instruments:

- Two digital voltmeters
- Dual trace digital storage oscilloscope
- Spectrum analyzer
- Signal generator
- Data logger and grapher

#### The laboratory manual covers the following practical exercises:

- Control Systems
- Thermal Systems
- Temperature Transducer Response
- Light-Controlled Systems
- Proportional Control
- Proportional-Integral Control
- Proportional-Derivative Control
- PID Control
- Velocity Feedback
- Speed Control Systems

**Order Code: 217-60**

P9321-A

For more information visit [www.ljcreate.com](http://www.ljcreate.com)