Order Code - 52059
Signal Conditioning Trainer

The SIGNAL CONDITIONING CIRCUITS trainer introduces students to display devices through a wide range of hands-on practical activities. This self contained trainer has all the necessary power supplies.

The trainer is supplied with a detailed curriculum manual that provides background theory, practical activities and student assessment questions.

A student workbook is also provided, allowing students to create a personalized record of their work together with practical results as they work through the curriculum materials. Finally, an instructor's guide is provided offering solutions to all 0f the questions and practical activities contained in the curriculum manual and student workbook.

THE BENCH-MOUNTED TRAINER FEATURES THE FOLLOWING CIRCUITS:

- Buffer
- Inverters
- Comparator with switchable hysteresis
- Amplifiers with gain and offset control
- Current amplifier
- Summing amplifier
- Differential amplifier
- Instrumentation amplifier
- AC amplifier
- Oscillator 40kHz
- Filter 40 kHz
- Low pass filter with switchable time constant
- Precision full-wave rectifier
- Sample and hold circuit
- Integraro with switchable time constant
- Differentiator with switchable time constant
- V/F and F/V Converters
- V/I and I/V converters
- Alarm osc with switchable latching
- Power amplifier
- Electronics Switch

TYPICAL TOPIC AREAS INCLUDE:

- Positional resistance transducers
- Wheatstone bridge measurements
- Display Devices
- Control system characteristics

POSITIONAL RESISTANCE TRANSDUCERS:

- Carbon Potentiometer
- Wire Wound Potentiometer
- Slide Potentiometer
- Wheatstone Potentiometer

EXTERNAL POWER SUPPLIES:

- -5V, +5V 1A precision supply
- -12V, +12V 1A regulated supply on board power supply terminals

ITEM SUPPLIED WITH THE SCC STUDY MODULE INCLUDE:

- SCC Technical manual
- SCC Curriculum manual
- Instructor's guide and student work-book

Note: Specifications are subject to change.

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