



The PC-60 and PC-61 are low-cost, low-speed mA and mV converter boards. They are particularly well designed for use in electrically noisy industrial control systems where fast data acquisition rates are not required. Each board comes supplied with demo software for testing and demonstrating features operation.

Features

- ◆ 16 differential analog inputs (PC-60)
- ◆ 8 differential analog inputs (PC-61)
- ◆ 12 bits A/D resolution
- ◆ Dual-slope integrating A/D converter provides high accuracy and low noise
- ◆ Use multiple boards in parallel for high channel counts

mV & mA Analog Input

Specifications

ANALOG INPUTS

Number:	16 differential (PC-60) 8 differential (PC-61)
Resolution:	12 bits, 1 part in 4096
Full-Scale Ranges:	±4.096V (PC-60) 0-20mA (PC-61)
A/D Sample Rate:	30Hz
A/D Converter Type:	Dual-Slope integrating mode ADC
Common Mode Rej. Ratio:	40dB
Differential Non-Linearity:	±1 LSB max

PC INTERFACE

Base Address:	000H to 3FCH, DIP Selectable
Interface:	Address, data and control signals TTL compatible

Environmental / Physical

Operating Temperature:	0°C to 50°C, 0 to 90% relative humidity
Output Connector:	Male 37-pin D (PC-60) Male 25-pin D (PC-61)

Power Requirements

+5V:	200mA
±12V:	200mA

Ordering Information

Supplied with EDR Software

PC-60 Dual-slope integrating A/D Converter with 16 Channels mV

PC-61 Dual-slope integrating A/D Converter with 8 Channels mA

View connector pinouts in Reference Section

Optional Accessories - PC60

Refer to System Diagram in Reference Section

ADPT-3740 via **DB37FF Cable (Analog mV I/P)**

Optional Accessories - PC61

Refer to System Diagram in Reference Section

ADPT-2526 via **DB25MF Cable (Analog mA I/P)**