DAQP-12A 12-Bit

- 12-Bit Resolution
- 8 Differential or 16 Single-Ended
- Programmable Channel Scanning and Gain Selection for Each Channel
- Sampling Rate From 0.01 Hz to 100 kHz
- Four Digital Input/Output Channels

The DAQP-12A is a PCMCIA Type II data acquisition adapter with eight differential or 16 single-ended analog input channels.

The bipolar input range of the DAQP-12A extends from ±0.625 (gain of 8) to ±5V (gain =1). The programmable gains are in the steps of 1, 2, 4 and 8. The DAQP-12A supports sampling rates up to 100 KHz at 12-bit resolution.

Equipped with a data FIFO of 512 samples, the DAQP-12A can achieve full speed data acquisition under various operating platforms, including Microsoft DOS and Windows. It also has a scan FIFO of 512 points that supports full speed, random order channel scanning and gain selection for all the input channels.

The DAQP-12 has a pacer clock of 24-bit and a programmable divided by eight or by 64 prescaler. The 24-bit pacer clock can also be used with an external clock source. With the 5 MHz internal clock source, the pacer clock can generate accurate sampling rates from 0.01 Hz to 100 kHz. The DAQP-12A also has four digital input and four digital output channels.

The DAQP-12A is supplied with DaqEZ software. DaqEZ is a Windows application which provides real-time data display and datalogging to disk. Also supplied are software drivers.

The software drivers provide support for various programming languages such as Microsoft C/C++, Borland C/C++, QuickBasic, and Turbo Pascal. A Dynamic Link Library (DLL) is provided for all kinds of programming languages under Microsoft Windows. An optional Visual Basic Controls (VBX) is also available.

A client software driver is provided to configure the DAQP-12A. The DAQP-12A client software driver is compatible with PCMCIA Card Services Specification 2.1.
A separate enabler program is provided for the configuration of the DAQP-12A for those who wish to run the card without card and socket services installed. The DAQP-12 is also compatible with LABTECH NOTEBOOK and Snap-Master.

Specifications

ANALOG TO DIGITAL
A/D Conversion Time: 8 µs
Nonlinearity Error: 1 LSB
Full Scale Error: ±1 LSB
Programmable Gain: 1, 2, 4, 8
DIGITAL
Inputs/Outputs: 4 each
Input High/Low: 2.3 V/0.8 V
Output High/Low: 3.4V/.35V typical
Output Current High/Low: .5 mA/ 2.5 mA
Power Consumption: 160 mA @ 5V (max.) 60 mA @ 5V (typ.)

To Order *(Specify Model Number)*

Model No.	Price	Description
DAQP-12A	$595	12 bit 8/16 channel analog input PCMCIA card

Accessories

Model No.	Price	Description
UIO-37	$110	Terminal strip, Requires CP-DAQP cable
CP-DAQP	40	Cable, 24 inches
VISUALDAQ	195	Visual Basic Controls

Comes with complete operator's manual, DaqEZ and driver software and PCMCIA configuration software.

Ordering Example: *DAQP-12A analog input card with UIO-37 terminal panel and CP-DAQP cable, $595 + $110 + $40 =* ***$745****.*