

PCMCIA Quadrature Inputs

PCMQUAD 02

Registered
ISO 9001
Company

- **Low cost board for direction & speed measurement**
- **Two quadrature/incremental encoder inputs**
- **24-Bit presentable counters**
- **1.25 MHz input pulse rate**
- **Compatible with VEE, LabVIEW and DASyLab**

The PCMQUAD 02 is a PCMCIA type II compatible card that takes all the effort and expense out of making accurate measurements of speed and direction from the pulsed outputs of shaft encoders.

The heart of this product is the dual axis quadrature counter IC. This component contains 24-bit counters. Programmable count modes including non-quadrature modes which enables the PCMQUAD to also act as high speed general purpose counter, and can be cascaded to 96 bits..



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SPECIFICATION

Encoders	Two channels
Type	Single-ended or Differential
Common mode range	±12 V
Input sensitivity	±200 mV
Hysteresis	±50 mV
Input impedance	12 KOhm

DESCRIPTION	PRODUCT CODE
PCM QUAD2 two channel PCMCIA quadrature input card	909 890 71
PCM-C15-10-INCH	919 448 07
PCM-TERM15	919 448 06
Universal Library software and examples	909 447 88
VEE drivers	909 760 85
LabVIEW Library	909 763 64

See page 189 also for further details on Measurement & Computing quadrature range for ISA bus

PCMCIA Digital I/O Card with Counter/Timers

PC CARD D24/CTR3

Registered
ISO 9001
Company

- **24 digital inputs or outputs**
- **2 banks of 8 each, plus 2 banks of 4 each**
- **Based on 82C55 I/O chip, programmable in three modes; input/output, strobed I/O, or bi-directional bus**
- **82C54 counter provides three, 16-bit counters**
- **Extremely low cost**
- **Compatible with PCMCIA type II or III slots**
- **loosely compatible with ISA board structure**
- **Fully Plug 'n' Play**
- **InstaCal software package included**

The PC-CARD-D24/CTR3 is a digital I/O card for PCMCIA compatible computers. The board provides 24-bits of parallel digital I/O using an 82C55 chip and three 16-bit down counters based on the 82C54. An on-board 10 MHz clock may be



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connected to the counter inputs. The PC-CARD-D24/CTR3 is completely plug-and-play. There are no switches, jumpers or potentiometers on the board. All board addresses, interrupt channels etc. are set by your computer's plug-and-play software.

DESCRIPTION	PRODUCT CODE
PC-CARD-D24/CTR3 24 line DIO PCMCIA card with 3 counter/timers	960 038 85
CPCC-50F-39 Cable 1m	960 038 86

CIO-MINI50 50-pin, screw terminal board	909 893 53
Universal Library software and examples	909 447 88
VEE drivers	909 760 85
LabVIEW Library	909 763 64

SPECIFICATION

DIGITAL I/O	
Configuration	82C55, 2 banks of 8 each, plus 2 banks of 4 each
Type	Input or output
Max input voltage	-0.5 V, +5.5 V
Interrupt	Programmable

INTERRUPT SOURCES	
Programmable	External (Ext Int) or internal (counter 1 output, counter 2 output, counter 3 out, 82C55 port C bit C0 or bit C3)