AMPLICON LIVELINE

PCMCIA Analog & Digital Input/Output for Laptops

PCM DAS08

Registered ISO 9001 Company

- **PCMCIA type II or III compatible for use with most laptop and palmtop computers**
- **8 bipolar 12bit analog inputs with digital input/output**
- **Card Socket Services included, Universal Driver software available**
- **3.12, 6.25, 12.5 and 25kS/s sample rate software selected**
- **No trimmers or jumpers, fast simple plug-in installation**

The PCM DAS08 is a PCMCIA type II data acquisition card providing 8 single ended analog inputs for your laptop, notebook or palmtop computer.

Eight 12bit analog inputs

Each channel can accept ±5V and sample rates of up to 25kHz are software selectable. Analog inputs are protected to 30V and a screw terminal assembly housed in a neat plastic enclosure, available as an option, provides screw termination for all inputs and outputs.

DESCRIPTION	PRODUCT CODE
PCM DAS08 PCMCIA type II data acquisition card with software and manual	909 448 05
PCM TERM 15 Termination cable and assembly for PCM-DAS08	919 448 06
PCM C15 -10-INCH Female connection cable assembly for PCM-DAS08	919 448 07
Universal Drivers with manual	909 447 88
LabVIEW Driver extension to Universal Library	909 763 64

SPECIFICATION

Hardware	PCMCIA type II compliant
Connector	AMP sub-miniature 15 pin
Inputs	8 single-ended ± 5V
Resolution	12bit (successive approximation)
Throughput	25kS/s maximum
Digital I/O	2 CMOS inputs 3 CMOS outputs
Trigger	External or internal
Software included	Installation & Test Card Socket Services

PC CARD DAS16 SERIES

Registered ISO 9001 Company

- **16 single-ended or 8 differential analog inputs**
- **On-boards, external or software-polled A/D pacing**
- **Burst mode support**
- **Choice of 12 or 16-bit A/D resolution**
- **100K samples/sec throughout**
- **4096 sample FIFO**
- **Eight bits of digital I/O**
- **Re-settable fuse on +5 VDC**
- **Rugged 50-pin connector**
- **Fully Plug 'n' Play**

NEW

The PC-CARD-DAS16/12 and PC-CARD-DAS16/16 are data acquisition cards for PCMCIA compatible computers with type 2 slots. The range offers a 12-bit and a 16-bit A/D resolution and provides 8 differential or 16 single-ended inputs in 4 bipolar input ranges. Input configuration is software selectable.

SPECIFICATION

ANALOG	
Resolution	12 or 16 bits
Throughput (Post-process calibration)	100 kS/s multi-channel 200 kHz single channel (DAS16/16 only)
Burst mode transfer rate	100 kHz
Number of channels	8 differential or 16 single-ended
Input ranges	DAS16/12 ±10V, ±5V, ±2.5V, ±1.25 and 0-10v, 0-5v, 0-2.5v and 0-1.25v DAS16/16 ±10V, ±5V, ±2.5V, ±1.25
Data transfer modes	REP-INSW, interrupt, or software polled.
Common mode	
CMRR @ 60 Hz	Range DAS16/12, ±10V = -72dB Range DAS16/16, ±10V = -76dB
Max. input voltage	+50V, –40V
DIGITAL SECTION	
Digital type	FPGA
Number of channels	2 ports of 4 bits programmable by port as 4 inputs or 4 outputs per port
Interrupts programmable	levels 2 to 15
Interrupt enable	Programmable
Interrupt sources	External (External Interrupt), A/D End-of-Channel Scan, A/D FIFO-not-empty, A/D FIFO-half-full, A/D Pacer

DESCRIPTION	PRODUCT CODE
PC-CARD-DAS16/12 16 single-ended or 8 differential input 12-bit PCMCIA card	960 038 84
PC-CARD-DAS16/16 16 single-ended or 8 differential input 16-bit PCMCIA card	960 038 82
CPCC-50F-39 one meter cable	960 038 86
CIO-MINI50 50-pin screw terminal board	909 893 53
UNIVERSAL LIBRARY software and example	90944788
CIO-VEE driver	90976085
LabVIEW Driver extension to Universal Library	909 763 64