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TECHNOLOGY GROUP

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Data Aquisition and Motion Control >>
VMIVME-3801

Board Level Products – Data Acquisition and Motion Control
Analog Input Boards

VMIVME-3801
ISOLATED SCANNING 12-bit 32-CHANNEL ANALOG-TO-DIGITAL CONVERTER BOARD (6U) WITH BUILT-IN-TEST AND SCREW TERMINAL INTERFACE

- 32 single-ended or 16 differential inputs
- Isolated channel-to-bus; common channel-to-channel
- Autoscanning; continuously digitizes inputs and stores results in dual-ported data registers
- Input ranges from +/-50 mV to +/-10 V or 0 to 25 mA
- Jumper-programmable gains of x1, x10, x100
- Selectable A/D ranges of +/-5 V, +/-10 V, 0 to +10 V
- 40 kHz aggregate conversion rate
- Supports real-time Built-in-Test
- Input connector compatible with discrete wire cables
- Selectable data coding; offset binary or two's complement
- Overvoltage protected inputs
- Low pass input filters: 50 kHz, optional 40 Hz
- Pull-down resistors prevent floating inputs
- 1,500 V channel-to-bus isolation
- Accepts pluggable barrier strip cable connector with user screw interface - Connectors are latchable
- Compatible with VMIC's Universal I/O Controllers (VMIVME-9300 series)
- Applications: Automatic Test Equipment, Data Acquisition Systems, Ground Loop Elimination, Isolated Digitizer for Signal Conditioners, Isolated Transducer Inputs, Isolated Voltage Monitoring, Low-Level, Low-Rate Analog Inputs, Process Monitoring, Research Instrumentation

Operating Systems
Windows NT
Linux
VxWorks
QNX

For Cables, Connectors, Barrier Terminal Strips/Blocks, see Accessories.
Driver Software
IOWorks
(VMISFT-9450)

View Specifications (in PDF file format)

Ordering Options		A	B	C	-	D	E	F
VMIVME-3801	-		0	0	-			

A = Input Option

0 = 50 kHz Input Filter (-3 dB Cutoff Frequency, Voltage Input)

1 = 40 Hz Input Filter (-3 dB Cutoff Frequency, Voltage Input)

BC = 00 (Options reserved for future use)

For Ordering Information, Call 1-800-322-3616

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