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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

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Expert team | Trust guarantee | 100% satisfaction

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Data Aquisition and Motion Control >>
VMIVME-3418

Board Level Products – Data Acquisition and Motion Control
Analog I/O Signal Conditioning Boards

VMIVME-3418
8-CHANNEL STRAIN GAUGE AND RTD ISOLATED SIGNAL CONDITIONING BOARD

- Eight isolated strain gauge and RTD signal conditioning channels
- Isolated to 1,000 VDC or 700 VRMS in two groups of four channels
- Full, half, or quarter strain gauge bridges, with on-board bridge completion
- 4-, 3-, or 2-wire resistance temperature detectors (RTDs)
- Open sensor detection
- Individual bridge excitation for each channel
- Constant current or constant voltage bridge excitation
- Input ranges selectable from +/-5 mV to +/-10 V
- Optional low pass input filters; 4, 40, or 400 Hz
- Buffered high-level analog outputs
- Outputs compatible with VMIVME-3113A and -3122 scanning A/D converter boards
- Supports system calibration and Built-in-Test
- Applications
  - System analog input isolation
  - Strain gauge and RTD signal conditioning
  - Temperature monitoring
  - Low-level voltage measurements
  - Low frequency vibration and shock analysis
  - Pressure monitoring
- Applications: Analog Input Filtering, Analog Input Isolation, Automatic Test Equipment UUT Response Inputs, Data Acquisition System Inputs, Externally Compensated Thermocouple Inputs, Ground Loop Elimination, High-Interference Environments, Instrumentation Signal Conditioning, Low-Level Analog Inputs, Mixed-Level Inputs, Nuclear Facility Instrumentation, Process Monitoring, Research Instrumentation, RTD Conditioning and Scaling, Temperature Measurement, Strain Bridge Completion, Strain, Load, or Pressure Transducer Inputs, Temperature Measurement

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Ordering Options		A	B	C	-	D	E	F
VMIVME-3418	-		0		-			

A = Input Filter Options
- 0 = No Filters
- 1 = 4 Hz Filters
- 2 = 40 Hz Filters
- 3 = 400 Hz Filters

BC = Excitation and RTD Scaling Options
- 00 = Reserved
- 01 = Constant Voltage Excitation
- 02 = Constant Current Excitation

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Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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