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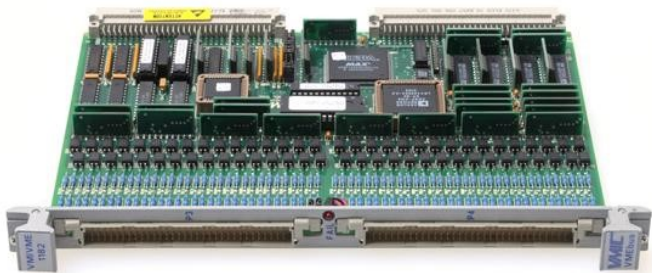
Data Sheet

August 15, 2026

ABACO SYSTEMS / VMIC

Abaco Systems / VMIC VMIVME-1182-030 Digital Input Module

The Abaco Systems / VMIC VMIVME-1182-030 is a VMEbus-compatible digital input module delivering 64 optically isolated channels for event detection, pulse counting, and time-tagged data logging. The module detects changes of state, monitors event sequences, and accumulates pulse counts across all channels with configurable debounce filtering and programmable interrupt generation. Compatibility & Integration VMEbus-compatible architecture supports standard VME crate installations. Module integrates with existing VME-based control systems requiring distributed digital input acquisition with timing precision. Aumictech offers NIST-traceable calibration and repair for the Abaco Systems / VMIC VMIVME-1182-030. Calibration covers per-channel threshold accuracy, input leakage current, logic level high/low margins, and signal timing verification. All calibrations ship with a NIST-traceable cert

**MODEL****Abaco Systems /
VMIC VMIVME-
1182-030****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****VMIVME-1182-030****LISTING**<https://aumictechlabs.com/products/vmivme-1182-030-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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Technical Specifications

Channel Configuration 64 digital input channels Optical isolation between channels and to VMEbus Channel-to-channel isolation: 1,500 VDC or 1,100 VRMS Channel-to-VMEbus isolation: 1,500 VDC or 1,100 VRMS Input Voltage Ranges 5 to 60 VDC 110 to 240 VAC Configurable for voltage sensing or contact sensing Change-of-State (COS) Detection Software-controlled per channel Detection modes: disabled, rising edge, falling edge, or any edge Minimum state duration: 2 ms Minimum detectable pulse width: 2 ms Minimum signal period: 4 ms Sequence of Events (SOE) Monitoring Dual-buffer architecture for simultaneous processing and loading Time-tagged event storage with 1.0 ms resolution Relative timer range: 0 to 65,535 ms (resettable from VMEbus) Pulse Accumulation 64 Pulse Accumulation Count (PAC) registers Maximum count per channel: 65,535 pulses Edge recognition on both rising and falling transitions Overflow flag or optional interrupt notification Debounce Control Software-programmable per channel Debounce range: 1.25 ms to 1.024 s Interrupt Capabilities COS-triggered interrupt generation User-selectable interrupt levels Single-byte vector output during acknowledge cycle

Key Features Onboard buffer for time-tagged event data enables forensic analysis of input sequences Per-channel debounce eliminates spurious signal noise Dual SOE buffers allow continuous event capture during data retrieval Programmable interrupts reduce processor polling overhead

Typical Applications Industrial control and supervisory monitoring Power system event recording and disturbance analysis Process automation with multi-channel state tracking Real-time fault detection and sequence logging

Compatibility & Integration VMEbus-compatible architecture supports standard VME crate installations. Module integrates with existing VME-based control systems requiring distributed digital input acquisition with timing precision.

VMIVME1182030 Characteristics / Specifications

PARAMETER	VALUE
Model	VMIVME-1182
Instrument Type	64-channel isolated digital input board with intelligent controller
Card Form Factor	6U VME
Input Channels	64 optically isolated
Measurement Resolution	1.0 ms
Pulse Accumulation Range	0 to 65535 pulses
Isolation Dc	1500 VDC channel-to-channel and channel-to-VMEbus
Isolation Ac Rms	1100 VRMS channel-to-channel and channel-to-VMEbus
Input Voltage Dc Class	5 to 60 VDC
Input Voltage Ac Class	110 to 240 VAC
Cos Selection Disabled	supported
Cos Selection Rising Edge	low-to-high transition
Cos Selection Falling Edge	high-to-low transition
Cos Selection Any Edge	supported
Cos Control Granularity	channel-by-channel software
Debounce Control Granularity	channel-by-channel software
Soe Monitoring	channel-by-channel
Addressing Modes	short or standard supervisory nonprivileged or either
Surge Standard With Suppression Panel	ANSI/IEEE STD C37.90.1-1989
Companion Suppression Panel Example	VME-3459
Ordering Alias Base	VMIVME-1182-000
Queue Configuration Example	VMIVME-1182-030

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

specifications rate 1.0 ms measurement resolution, pulse accumulation 0 to 65535, isolation 1500 VDC or 1100 VRMS channel-to-channel and to the VMEbus, and input classes 5 to 60 VDC or 110 to 240 VAC with ANSI/IEEE C37.90.1-1989 surge protection when used withacompanion suppression panel.

Applications

Sequence-of-events and change-of-state monitoring in power plant industrial and ATE VME systems requiring high channel isolation.

Key Features

Per-channel COS SOE pulse accumulation debounce and time tagging

COS edge selections disabled rising falling or any edge

Software-controlled debounce per channel

User-selected interrupt level

Companion suppression panel surge compliance path

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PARAMETER	VALUE
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Companion Suppression Panel Example	VME-3459
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Notes

From Abaco Systems VME-1182 product specifications for channel count, isolation, voltage classes, 1.0 ms resolution, and pulse accumulation limits. Extended 5 to 250 VDC ratings on some reseller pages are not used here without matching Abaco table confirmation.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.