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Data Sheet
August 15, 2026

AMETEK / VTI INSTRUMENTS / VXI TECHNOLOGY

Ametek / VTI Instruments / VXI Technology VM9000 VXI Modular Instrumentation Platform

Ametek VTI VM9000 VMIP Single-Slot Base Unit The Ametek VM9000 is the single-slot C-size VXI Modular Instrumentation Platform carrier that hosts up to three independent VMIP instrument modules, each with its own logical address, per VTI VM9000 datasheet. High-density multifunctional VXI instruments, combining DMM counter AWG and specialty modules in one slot. Vxi Devices Per Carrier Maximum: 3 independent The Ametek VM9000 is the single-slot C-size VXI Modular Instrumentation Platform carrier that hosts up to three independent VMIP instrument modules, each with its own logical address, per VTI VM9000 datasheet. High-density multifunctional VXI instruments, combining DMM counter AWG and specialty modules in one slot. Vxi Devices Per Carrier Maximum: 3 independent Logical Addresses: unique ULA per instrument

MODEL **Ametek / VTI Instruments / VXI Technology VM9000**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **VM9000**	LISTING **https://aumictechlabs.com/products/vm9000-3/**

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NAICS 423690 · 811210 · 541380

This unit

The VM9000 is a VXI Modular Instrumentation Platform (VMIP) carrier unit that consolidates up to three instrument modules within a single C-size VXIbus card slot. This open-platform architecture eliminates the need for multiple slot allocations, delivering equivalent functionality of three independent devices while reducing physical footprint and system cost. Each integrated module functions as a separate VXIbus device with its own Unique Logical Address (ULA) and VXIplug&play driver support, enabling mixed instrument configurations from VTI Instruments and third-party manufacturers across over 20 available module options.Technical Specifications Mechanical Form Factor: Single C-size VXIbus slot Module Capacity: Up to three VMIP instruments per carrier Available Instrument Modules: Over 20 unique configurations VXIbus Compliance: Full specification support including all seven power supply lines, TTL bus triggers, and interrupt signals Device Addressing: Independent ULA assignment per integrated moduleKey Features Open-platform design supports instrument modules from multiple manufacturers Each module operates as independent VXIbus device with dedicated driver support instrumentation accommodation including 6.5 digit DMMs, 1 ns counter/timers, and 50 MSa/s arbitrary waveform generators Factory assembly available for multi-function instrument configurations Prototyping module (VM7000) enables custom circuitry integrationSystem Benefits Significantly reduces test system footprint by consolidating three instruments into one slot Lowers overall acquisition system cost through slot consolidation Maintains independent device addressing and driver management Enables customized configurations based on application requirements and budget constraintsCompatibility & Integration VXIbus specification compliant Compatible with VTI Instruments VMIP module family Carrier unit required for all VMIP module installations Individual modules cannot be ordered separately without corresponding VM9000 carrier

VM9000 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	VMIP base unit carrier
Module Size	C
Slots Occupied	1
Instruments Per Carrier Maximum	3
Vxi Devices Per Carrier Maximum	3 independent
Logical Addresses	unique ULA per instrument
Dynamic Configuration Support	yes Offset Register shared decoder
Power Rails Supported	all 7 VXI supplies
Trigger Support	TTLbus triggers
Interrupt Support	VXI interrupts
Prototype Module Companion	VM7000
Example Instrument Dmm Digits	6.5 on VM2710A
Example Counter Resolution	1 ns class VM2164 family
Example Awg Sample Rate	50 MSa/s on VM3640A
Example Digitizer Rates Family	20 40 80 MSa/s VM260x
Programmable Resistor Companion	VM7004
Scanning Voltmeter Companion	VM2716A
Comparator Companion	VM4016 VM4018
Serial Interface Companion	VM6068
Platform Name	VMIP
Open Platform	third party mezzanine designs supported
Factory Configuration	modules installed in carrier when ordered
Vxi Specification Alignment	Rev 1.4 multi-device module rules

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

Specifications

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Serial Interface Companion	VM6068
Platform Name	VMIP
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Vxi Specification Alignment	Rev 1.4 multi-device module rules

Notes
Numeric and configuration rows from VTI Instruments VM9000 VMIP datasheet and VMIP instrument family tables.

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

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