

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

CURTISS-WRIGHT / VMETRO

Curtiss-Wright / VMETRO Vanguard VG-VME Bus Analyzer

The Curtiss-Wright/VMETRO Vanguard VG-VME is a VME bus analyzer designed for debugging, testing, and optimizing VMEbus systems. It captures and analyzes bus transactions in real-time, providing insights into system behavior. Features include advanced triggering, filtering, and data display capabilities to help identify and resolve issues quickly.

**MODEL****Curtiss-Wright /
VMETRO VG-VME****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****VG-VME****LISTING**[https://aumictechlabs.c
om/products/vg-vme-
2/](https://aumictechlabs.com/products/vg-vme-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Curtiss-Wright/VMETRO Vanguard VG-VME Bus Analyzer delivers real-time protocol analysis and debugging for VMEbus systems. It captures and displays complete bus activity across all VME standards, executing advanced triggering, filtering, and statistical measurements from a networked PC interface. Designed for software developers, system integrators, and hardware designers, the analyzer identifies protocol errors and optimizes system performance through state and timing analysis with synchronized sampling. Technical Specifications Bus Support: VME, VME64, 2eVME, 2eSST Trace Buffer: 2M Sample at 256-bits width Analyzer Modes: State Analyzer and 133 MHz Timing Analyzer Trigger Sequencer: 16-Level with 8 Events of 256-bits; operators include IF, ELSIF, ELSE, STORE, COUNT, DELAY, GOTO Transaction Support: All

VMEbus transactions (2eSST, VME64, IACK, RMW) with full 64-bit Address/Data demultiplexing Interfaces: 10/100 Mbit/s Ethernet and USB Control: Windows-based BusView GUI via USB or Ethernet Power: External supply; source selectable from target system or independent supply Test Connectivity: BNC trigger output, USB cable, Ethernet cable, pin header patch leads, micrograbber clips Key Features Multi-level Trace Viewer for customized data analysis and protocol-aware waveform interpretation Integrated Ethernet port enables remote analyzer access across networked locations Independent Real-time Statistics Engine performing concurrent Event Counting, Bus Utilization, Transfer Rate, Block Length Distribution, Arbiter Latency, and User-Defined measurements Sophisticated trigger and store qualifiers with inside/outside range specification on address, attribute, and data fields Full visibility into Interrupt Request and Interrupt Acknowledge cycles within trace listings Optional Exerciser operating as VMEbus Master with dual DMA engines for extensive test generation Typical Applications Protocol verification, arbitration and block cycle analysis, interrupt sequence debugging, RMW operation validation, and statistical bus performance characterization. Compatibility & Integration Supports current and legacy VME implementations across 32-bit and 64-bit address spaces with protocol-synchronized sampling for accurate bus cycle correlation.

VGVME Characteristics / Specifications

PARAMETER	VALUE
Model	Vanguard-PMC
Instrument Type	PMC bus analyzer
Form Factor	PMC module
Analysis Modes	state and statistics
Bus Target	PCI / PMC
Series Family	VMETRO Vanguard
Manufacturer	VMETRO / Curtiss-Wright
Use Case	embedded bus debug
Trace Memory Class	deep state trace buffer
Triggering	complex bus event triggers
Statistics	real time bus utilization class
Host Software	Vanguard analyzer GUI
Operating Temperature Class	0 C to 55 C
Storage Temperature Class	minus 40 C to 85 C class
Power	PMC 3.3 V / 5 V rails
Connector	PMC P11/P12/P14/P15
Related Models	Vanguard-PCI VG-VME
Capture Clock	PCI bus clock synchronous
Protocol Support	PCI protocol decode
Form Factor Height	single PMC
Hot Swap Observation	supported in analyzer modes
Export	trace upload to host
Storage temperature	Class: minus 40 C to 85 C class
Operating temperature	Class: 0 C to 55 C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: minus 40 C to 85 C class
Operating temperature	Class: 0 C to 55 C
Operating Temperature	Class: 0 C to 55 C
Operating Temperature Class	0 C to 55 C
Storage Temperature Class	minus 40 C to 85 C class
Power	PMC 3.3 V / 5 V rails
Connector	PMC P11/P12/P14/P15
Related Models	Vanguard-PCI VG-VME
Capture Clock	PCI bus clock synchronous
Protocol Support	PCI protocol decode
Form Factor Height	single PMC
Hot Swap Observation	supported in analyzer modes
Export	trace upload to host Notes Identity and analyzer role from VMETRO/Curtiss-Wright Vanguard-PMC product literature. Exact trace depth is configuration-dependent on the installed Vanguard memory option.

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	
PARAMETER	VALUE
Model	Vanguard-PMC
Instrument Type	PMC bus analyzer
Form Factor	PMC module
Analysis Modes	state and statistics
Bus Target	PCI / PMC
Series Family	VMETRO Vanguard
Manufacturer	VMETRO / Curtiss-Wright
Use Case	embedded bus debug
Trace Memory Class	deep state trace buffer
Triggering	complex bus event triggers
Statistics	real time bus utilization class
Host Software	Vanguard analyzer GUI
Operating Temperature Class	0 C to 55 C
Storage Temperature Class	minus 40 C to 85 C class
Power	PMC 3.3 V / 5 V rails
Connector	PMC P11/P12/P14/P15
Related Models	Vanguard-PCI VG-VME
Capture Clock	PCI bus clock synchronous
Protocol Support	PCI protocol decode
Form Factor Height	single PMC
Hot Swap Observation	supported in analyzer modes
Export	trace upload to host
Notes	
Identity and analyzer role from VMETRO/Curtiss-Wright Vanguard-PMC product literature. Exact trace depth is configuration-dependent on the installed Vanguard memory option.	

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

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