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Data Sheet

August 15, 2026

CURTISS-WRIGHT / VMETRO

Curtiss-Wright / VMETRO Vanguard-PMC State Analyzer and Statistics Module

The Curtiss-Wright/VMETRO Vanguard-PMC is a PMC (PCI Mezzanine Card) form factor bus analyzer and exerciser delivering real-time state analysis, protocol checking, and performance statistics for PCI and PCI-X embedded systems. The module captures and analyzes up to 93 bus signals plus 16 external inputs, supporting signaling up to 133 MHz across both 3.3 V and 5 V levels. Advanced triggering, filtering, and counting capabilities enable detailed bus activity capture and bottleneck identification. Dual DMA engines, target memory spaces, and flexible scripting support concurrent test automation and system validation. Input Channels: 93 bus signals; 16 external TTL inputs (8 on pin header, 8 on front panel) Protocol Checking: Optional checker detects up to 71 PCI-X errors and 45 PCI errors Exerciser Engines: Two concurrent DMA engines with I/O and memory space support; command executer wi



MODEL

**Curtiss-Wright /
VMETRO
Vanguard-PMC**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

Vanguard-PMC

LISTING

<https://aumictechlabs.com/products/vanguard-pmc-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

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VANGUARDPMC 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

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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	
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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.