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Data Sheet

August 15, 2026

CURTISS-WRIGHT / VMETRO

Curtiss-Wright / VMETRO PBTC-415BX cPCI Bus Analyzer and Exerciser

Curtiss-Wright / VMETRO Logic Analyzers. Resolution: ** Trace buffer with time tags between samples.

**MODEL****Curtiss-Wright /
VMETRO PBTC-
415BX****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****PBTC-415BX****LISTING**[https://aumictechlabs.c
om/products/pbtc-415b
x-2/](https://aumictechlabs.com/products/pbtc-415bx-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Curtiss-Wright/VMETRO PBTC-415BX is a single-slot CompactPCI bus analyzer and exerciser that mounts directly into a cPCI backplane for real-time monitoring and testing of bus activity. The card functions as both a passive analyzer - capturing all bus transactions without external probes - and an active exerciser, operating as a PCI bus Master and Target to generate and respond to nearly all PCI bus cycle types. Engineers use it to debug, validate, and characterize cPCI system performance with minimal setup complexity. Technical Specifications Form Factor: Single-slot CompactPCI (cPCI) card Bus Support: 32-bit and 64-bit cPCI backplanes; 33 MHz and 66 MHz operation Analyzer Sampling: CLOCK and TRANSFER modes Trace Memory: 64K depth (B model) Exerciser Capability: Generates 32-bit 33 MHz PCI bus cycles Time Resolution: Trace buffer with time tags between samples Latency Measurement: Target latency (FRAME# to TRDY#) and wait

state tracking Key Features Direct backplane integration eliminates external probes and adapters Full-speed Word Recognizers with address and data range triggering Level Trigger/Qualifier Sequencer for conditional capture Trigger on delay or event count De-multiplexed address, command/BE#, and data presentation Alphanumeric trace lists and waveform display on PC or ASCII terminal Master and Target operation for comprehensive bus exercise scenarios Typical Applications cPCI system debug and validation during development Board-level PCI functional testing Bus transaction analysis and performance characterization Integration verification in cPCI-based instrumentation and embedded systems Compatibility & Integration Conforms to CompactPCI logical, electrical, and mechanical specifications PC-based control via Windows software interface PCI and CompactPCI standard compliance

PBTC415BX Characteristics / Specifications

PARAMETER	VALUE
Model	PBTC-415BX
Instrument Type	CompactPCI bus analyzer and exerciser
Bus	CompactPCI
Family	VMETRO PBT / PBTC
Related State	VG-SAM Vanguard state analyzer module
Form Factor	CompactPCI analyzer card
Manufacturer	VMETRO / Curtiss-Wright
Use Case	cPCI protocol analysis and exerciser
Control	analyzer application software
Operating Temperature Class	commercial cPCI
Literature	Curtiss-Wright VMETRO PBTC-415BX listings
Functions	analyze and exercise
Documentation Type	OEM bus-analyzer catalog
Brand Lineage	VMETRO Curtiss-Wright
System Role	cPCI debug slot
Trace	bus trace memory class
Trigger	analyzer trigger resources
Exerciser	bus master exerciser class
Power	CompactPCI backplane
Revision	415BX
Calibration Source	OEM published specifications
Export Class	commercial test equipment
Operating temperature	Class: commercial cPCI

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: commercial cPCI
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Export Class	commercial test equipment Notes From Curtiss-Wright / VMETRO PBTC-415BX cPCI bus-analyzer and exerciser catalog identity. Trace depth, cPCI width/speed, and exerciser patterns are on the PBTC-415BX data sheet.

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.