

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

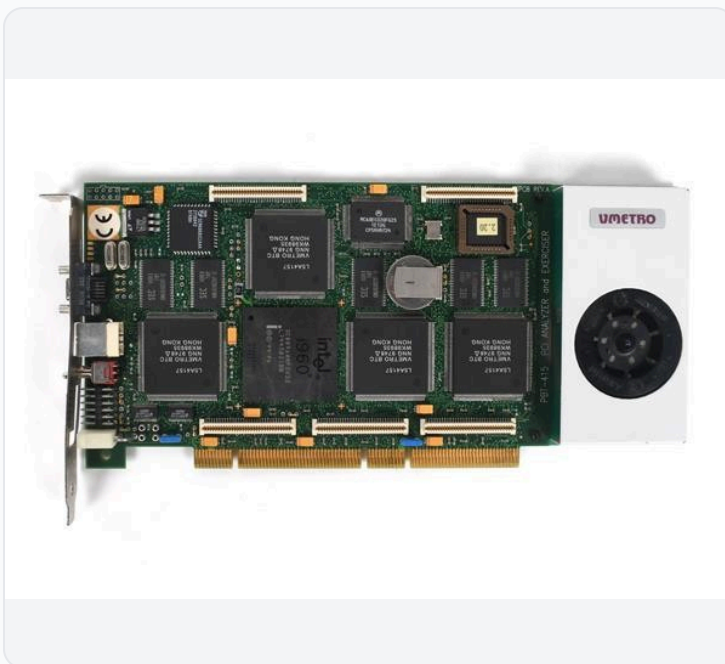
Data Sheet

August 15, 2026

CURTISS-WRIGHT / VMETRO

Curtiss-Wright / VMETRO PBT-415 PCI Bus Analyzer and Exerciser

The Curtiss-Wright/VMETRO PBT-415 is a PCI bus analyzer and exerciser that integrates directly into PCI motherboards and CompactPCI backplanes as a single-slot short card. It monitors all bus activity across 32-bit and 64-bit PCI architectures operating at 33 MHz and 66 MHz clock rates without requiring external probes or adapters. The device functions as both a PCI bus Master and Target, generating and responding to nearly all PCI bus cycle types for complete system testing and verification. Included Accessories: Cooling fan, RS-232 cable, BusView for Windows software, storage box Aumictech offers NIST-traceable calibration and repair for the Curtiss-Wright / VMETRO PBT-415. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1-3 business days after receipt. This Curtiss-Wright / VMETRO PBT-415 is listed at . Calibrati



MODEL

**Curtiss-Wright /
VMETRO PBT-415**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

PBT-415

LISTING

[https://aumictechlabs.c
om/products/pbt-415-
2/](https://aumictechlabs.com/products/pbt-415-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Curtiss-Wright/VMETRO PBT-415 is a PCI bus analyzer and exerciser that integrates directly into PCI motherboards and CompactPCI backplanes as a single-slot short card. It monitors all bus activity across 32-bit and 64-bit PCI architectures operating at 33 MHz and 66 MHz clock rates

without requiring external probes or adapters. The device functions as both a PCI bus Master and Target, generating and responding to nearly all PCI bus cycle types for complete system testing and verification. Technical Specifications Form Factor: Single-slot PCI short card or CompactPCI card PCI Bus Support: 32-bit and 64-bit architectures Clock Rates: 33 MHz and 66 MHz Sampling Modes: CLOCK and TRANSFER Trace Memory: 64K Communication Interfaces: RS-232 and USB connectors Included Accessories: Cooling fan, RS-232 cable, BusView for Windows software, storage box Key Features Non-intrusive bus integration eliminates the need for external probes Protocol-aware sampling captures bus activity at optimal moments Dual functionality as Master and Target device for bidirectional testing Trace capture and display with waveform data visualization on PC Direct installation into standard PCI or CompactPCI backplane slots Typical Applications The PBT-415 supports development, debugging, testing, and verification of PCI bus-based computer systems. It enables engineers to analyze complete bus transactions, identify protocol violations, and validate board-level PCI implementations. Compatibility & Integration Compatible with Windows operating systems. Operates with standard PCI and CompactPCI (cPCI) system architectures. BusView graphical user interface software provides real-time bus monitoring and analysis on Windows platforms.

PBT415 Characteristics / Specifications

PARAMETER	VALUE
Model	PBT-415
Instrument Type	PCI bus analyzer and exerciser
Bus Standard	PCI
Manufacturer Line	VMETRO PBT bus analyzers
Primary Functions	capture decode and exercise
Form Factor Class	PCI analyzer card class
Trace Memory Class	deep state trace class family
Protocol Support	PCI address data and control cycles
Triggering Class	multilevel PCI event triggers
Display Class	state listing and timing views class
Exerciser Role	master target stimulus class
Operating Temperature Class	0 C to 40 C laboratory class
Storage Temperature Class	minus 40 C to 70 C class
Power Source Class	PCI slot powered class
Interface To Host Class	local UI or host software class
Series Family	VMETRO PBT-415
Related Models	PBT-315B PBTC-415BX cPCI variants
Related Vme Analyzers	VBT-325B VBT-325C
Related Vanguard	Vanguard-PCI Vanguard-PMC
Capture Modes Class	state and statistics class
Event Recognition Class	address data parity and interrupt
Timestamp Class	relative time tagging class
Use Environment	lab PCI bring up and depot repair
Storage temperature	Class: minus 40 C to 70 C class
Operating temperature	Class: 0 C to 40 C laboratory class

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: minus 40 C to 70 C class
Operating temperature	Class: 0 C to 40 C laboratory class
Operating Temperature	Class: 0 C to 40 C laboratory class
Operating Temperature Class	0 C to 40 C laboratory class
Storage Temperature Class	minus 40 C to 70 C class
Power Source Class	PCI slot powered class
Interface To Host Class	local UI or host software class
Series Family	VMETRO PBT-415
Related Models	PBT-315B PBTC-415BX cPCI variants
Related Vme Analyzers	VBT-325B VBT-325C
Related Vanguard	Vanguard-PCI Vanguard-PMC
Capture Modes Class	state and statistics class
Event Recognition Class	address data parity and interrupt
Timestamp Class	relative time tagging class
Use Environment	lab PCI bring up and depot repair Notes Capability rows from VMETRO/Curtiss-Wright PBT-415 PCI bus analyzer catalog descriptions. Exact trace depth and supported PCI clock rates follow the analyzer revision.

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	PBT-415
Instrument Type	PCI bus analyzer and exerciser
Bus Standard	PCI
Manufacturer Line	VMETRO PBT bus analyzers
Primary Functions	capture decode and exercise
Form Factor Class	PCI analyzer card class
Trace Memory Class	deep state trace class family
Protocol Support	PCI address data and control cycles
Triggering Class	multilevel PCI event triggers
Display Class	state listing and timing views class
Exerciser Role	master target stimulus class
Operating Temperature Class	0 C to 40 C laboratory class
Storage Temperature Class	minus 40 C to 70 C class
Power Source Class	PCI slot powered class
Interface To Host Class	local UI or host software class
Series Family	VMETRO PBT-415
Related Models	PBT-315B PBTC-415BX cPCI variants
Related Vme Analyzers	VBT-325B VBT-325C
Related Vanguard	Vanguard-PCI Vanguard-PMC
Capture Modes Class	state and statistics class
Event Recognition Class	address data parity and interrupt
Timestamp Class	relative time tagging class
Use Environment	lab PCI bring up and depot repair
Notes	
Capability rows from VMETRO/Curtiss-Wright PBT-415 PCI bus analyzer catalog descriptions. Exact trace depth and supported PCI clock rates follow the analyzer revision.	

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.