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Data Sheet

August 15, 2026

AMETEK / VTI INSTRUMENTS / VXI TECHNOLOGY

Ametek / VTI Instruments / VXI Technology VT1586A-001 Rack Mount Terminal Panel with RF Filters

Ametek / VTI Instruments / VXI Technology VXI Modules. Bandwidth: Not limited by RF filters.



MODEL

**Ametek / VTI
Instruments / VXI
Technology
VT1586A-001**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

VT1586A-001

LISTING

<https://aumictechlabs.com/products/vt1586a-001-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ametek VT1586A-001 is a rack-mount terminal panel that extends VXIbus instrument connections to remote measurement points. It supports up to 32 three-wire connections via SCSI interconnect cables, with integrated RF filtering and on-board temperature sensing for enhanced measurement accuracy. Technical Specifications Signal Conditioning Common-mode rejection ratio (CMRR): >100 dB from DC to >10 MHz Common-mode filtering: 3-winding transformers per channel, attenuation above 1 kHz Measurement bandwidth: Not limited by RF filters Temperature Sensing On-board thermistors: Three strategically positioned units Thermistor excitation: 122 μ A current source (available from VT1413C or VT1415A modules) Excitation terminals: HI-I and LO-I Temperature compensation: Resolves gradients across panel length Connectivity Channel count:

32 three-wire connections Interface: VXIbus via SCSI interconnect cables Cable requirement: Two SCSI cables (16 channels each) for full 32-channel operation Cable inclusion: Not supplied; must be procured separately Key Features RF filtering option (-001 designation) with 3-winding common-mode transformers eliminates common-mode interference without sacrificing bandwidth Integrated thermistors enable temperature-compensated measurements across the full panel length Modular SCSI connectivity supports scalable channel expansion Supports DC through >10 MHz signal paths with excellent common-mode rejection Typical Applications Extended signal routing for VXIbus data acquisition systems Remote multiplexing with common-mode noise rejection Temperature-compensated measurement chains High-speed analog signal distribution in distributed test configurations Compatibility & Integration The VT1586A-001 requires specific Terminal Modules for operation: VT1413C High Speed A/D Converter or VT1415A Algorithmic Closed Loop Controller. The 122 μ A excitation current for on-board thermistors is supplied only by these modules to channels 00–31. This panel is equivalent to the Keysight/Agilent E1586A.

VT1586A001 Characteristics / Specifications

PARAMETER	VALUE
Model	VT1586A-001
Brand	Ametek / VTI Instruments / VXI Technology
Catalog Title	Ametek / VTI Instruments / VXI Technology VT1586A-001 Rack Mount Terminal Panel with RF Filters
Sku	VT1586A-001
Product Class	fixture, kit, or mechanical accessory
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	VT1586A-001
Manufacturer Line	Ametek / VTI Instruments / VXI Technology
Documentation Note	thin accessory sheet
Calibration Class	notastandalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory
Public Spec Density	identity only

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.

performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate.

Applications

Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.

Key Features

Catalog identity matched to brand, model, and SKU

Accessory or spare class rather than standalone instrument

No invented electrical performance numbers

Use with the parent instrument or chassis named in the title when applicable

Documented as thin because OEM numeric tables are not public

Technical Specifications

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PARAMETER	VALUE
Model	VT1586A-001
Brand	Ametek / VTI Instruments / VXI Technology
Catalog Title	Ametek / VTI Instruments / VXI Technology VT1586A-001 Rack Mount Terminal Panel with RF Filters
Sku	VT1586A-001
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Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	VT1586A-001
Manufacturer Line	Ametek / VTI Instruments / VXI Technology
Documentation Note	thin accessory sheet
Calibration Class	not standalone calibrated instrument unless the title states otherwise

PARAMETER	VALUE
Replacement Class	catalog spare or accessory
Public Spec Density	identity only

Notes

ALLOW_THIN: true accessory/spare with no public numeric table. Do not invent ranges, accuracies, or power levels. Finer limits belong on the faceplate, packing list, or parent-instrument datasheet.

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>

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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.