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Data Sheet

August 15, 2026

AMETEK / VTI INSTRUMENTS / VXI TECHNOLOGY

Ametek / VTI Instruments / VXI Technology CT-400 Mainframe Rack Mount Kit

The Ametek/VTI Instruments/VXI Technology CT-400 is a mainframe rack mount kit designed for secure and stable installation of mainframes into standard 19-inch rack enclosures. It provides solid support and ensures proper alignment, optimizing space utilization and facilitating efficient cable management within the rack.

**MODEL****Ametek / VTI
Instruments / VXI
Technology CT-
400****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****CT-400****LISTING**[https://aumictechlabs.c
om/products/ct-400-3/](https://aumictechlabs.com/products/ct-400-3/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ametek / VTI Instruments / VXI Technology CT-400 Mainframe Rack Mount Kit enables secure installation of the CT-400 VXIbus mainframe into standard 19-inch rack enclosures. This accessory kit ensures proper alignment and optimizes space utilization for modular test and measurement systems. The kit accommodates flexible mounting depths through adjustable flanges, allowing the mainframe to recess up to 10 inches or extend up to 5 inches from the rack face. Technical Specifications Mounting Architecture Designed for 13-slot C-size VXIbus mainframe (CT-400) Fits standard EIA rack enclosures (19-inch) Adjustable mounting depth: recessed to 10 inches or extended to 5 inches Hardware: 8-32 × 3/8" flat head Phillips screws; 8-

32 × 5/8" button head Torx screws; T15 Torx driver required Power Delivery (CT-400 Integrated) 1100 W usable power output All seven VXIbus supply lines protected to 1 A with self-healing fuses External supply access via rear panel UL, CSA, TUV approved power supply with short circuit, over-voltage, reverse voltage, and thermal shutdown protection Thermal Management Pressurized plenum cooling system with baffling Designed for traditional instrument rack airflow conventions

Key Features

Mounting Options

Option 100: Adjustable rackmount flanges with handles for any-depth rack accommodation

Option 101: VXIplug&play compliant adapter kit for standardized interface integration

Option 103: Transparent front door for equipment protection with annunciator visibility

Option 104: Hinged customizable front panel for direct connector mounting

Options 105/106: Cable trays (1U and 2U depths) for front-to-rear cable management

Health Monitoring

Over-temperature monitoring with rear-panel user outputs

Compatibility & Integration

The kit integrates with the CT-400 13-slot C-size VXIbus mainframe, supporting modular instrument configurations. VXIplug&play adapter compatibility (Option 101) ensures standardized instrument integration. Cable management accessories facilitate multi-instrument rack deployments with organized signal routing.

CT400 Characteristics / Specifications

PARAMETER	VALUE
Model	CT-400
Instrument Type	Modular 13-slot C-size VXIbus mainframe
Vxi Slots	13 C-size
Vxi Revision	1.4
Size	25 inches deep x 14 inches high x 16.7 inches wide
Mass	less than 50 lb
Cooling	greater than 100 W per slot
Input Voltage	100 to 240 Vac / 120 to 135 Vdc 50/60 Hz
Input Frequency Extended	47 Hz to 440 Hz with increased leakage and reduced PFC
Total Available Power	2000 W
Total Usable Power	1100 W
Plus 5 V Peak Current Imp	80 A
Plus 5 V Dynamic Current Imd	15 A
Minus 5.2 V Peak Current Imp	75 A
Minus 5.2 V Dynamic Current Imd	9 A
Minus 2 V Peak Current Imp	40 A
Minus 2 V Dynamic Current Imd	4.5 A
Plus 12 V Peak Current Imp	18 A
Plus 12 V Dynamic Current Imd	3 A
Minus 12 V Peak Current Imp	18 A
Minus 12 V Dynamic Current Imd	3 A
Plus 24 V Peak Current Imp	16 A
Plus 24 V Dynamic Current Imd	6.5 A
Minus 24 V Peak Current Imp	16 A
Minus 24 V Dynamic Current Imd	6.5 A

PARAMETER	VALUE
Pard Plus Minus 24 V	150 mVp
Pard All Other Rails	50 mVp
Mtbf	100000 hours
Mttr	5 minutes
Operating Temperature	0 C to 55 C
Storage Temperature	-40 C to plus 70 C
Rear Dc Lines Protection	self-healing fuses to 1 A on all seven supply lines
Ttl Trigger Lines On Rear	all eight

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	40 C to plus 70 C
Operating temperature	0 C to 55 C
Operating Temperature	0 C to 55 C
Rear Dc Lines Protection	self-healing fuses to 1 A on all seven supply lines
Ttl Trigger Lines On Rear	all eight Notes From VTI Instruments CT-400 Modular 13-slot C-size VXiIbus Mainframe datasheet Rev A. Usable 1100 W is concurrent with the listed maximum currents. Queue also lists spare supply 52-0912-100 and rack-mount kit SKUs; this file covers the CT-400 mainframe.

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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Notes

From VTI Instruments CT-400 Modular 13-slot C-size VXibus Mainframe datasheet Rev A. Usable 1100 W is concurrent with the listed maximum currents. Queue also lists spare supply 52-0912-100 and rack-mount kit SKUs; this file covers the CT-400 mainframe.

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.