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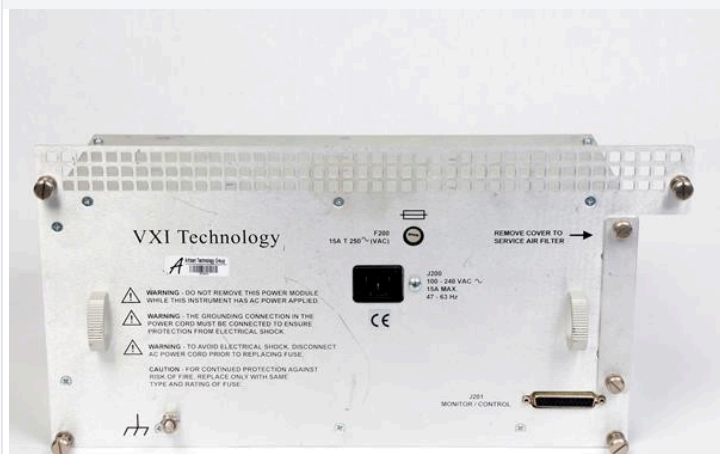
Data Sheet

August 15, 2026

AMETEK / VTI INSTRUMENTS / VXI TECHNOLOGY

Ametek / VTI Instruments / VXI Technology 52-0912-100 CT-400 Modular 13-Slot VXI Mainframe Power Supply

The Ametek/VTI Instruments/VXI Technology CT-400 is a modular 13-slot VXI mainframe, complete with a solid power supply. It is designed to accommodate a wide range of VXI modules, offering a versatile platform for instrumentation and testing applications.



MODEL

**Ametek / VTI
Instruments / VXI
Technology 52-
0912-100**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

52-0912-100

LISTING

<https://aumictechlabs.com/products/52-0912-100-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The CT-400 is a 13-slot C-size VXIbus mainframe delivering over 1100 W of usable power for modular test system integration. This mainframe combines a modular power supply assembly with a 10-layer stripline backplane, advanced thermal management, and comprehensive health monitoring to support instrumentation and switching applications. Technical Specifications Mainframe Architecture 13-slot C-size VXIbus configuration Modular chassis design 10-layer stripline backplane with optimized power distribution and minimized crosstalk Automatic active Bus Grant and IACK jumpering Power Delivery Total usable power: >1100 W Modular power supply

assembly All seven VXIbus supply lines available on rear panel for external device powering Each supply line protected to 1 A with self-healing fuses Protection: short circuit, over-voltage, reverse voltage, and thermal shutdown Thermal Management Pressurized plenum system with custom baffling Fan control: low, high, or variable speed modes Variable mode: automatic speed adjustment based on power usage and ambient air temperature Quiet operation Monitoring & Control Eight TTL trigger lines (rear panel accessible) Remote power-off input Fan tachometer outputs Over-temperature interrupt Over-voltage interrupt Over-current interrupt Over-ambient air temperature (>55 °C) interrupt Fan-speed drop interrupt Main fault interrupt output (logical OR of all fault conditions) Fault output signal for system failure flagging Front panel voltage monitor indicators and status LEDs Green LED: voltage within limits Red LED: over-voltage condition Unlit LED: under-voltage condition Key Features Modular power supply delivering >1100 W for flexible instrument integration Fault monitoring with eight discrete interrupt signals and main fault output Dual-mode cooling with variable temperature and load-based fan control Self-healing fuse protection on all seven supply lines TTL trigger distribution for multi-instrument synchronization Visual and signal-based health indication for remote monitoring Typical Applications Automated test equipment (ATE), modular instrumentation systems, RF/microwave test platforms, and integrated switching architectures requiring distributed power and trigger distribution. Compatibility & Integration Designed for VXIbus instrument and switching system integration within modular test architectures. Rear panel distribution of power lines and trigger signals enables straightforward integration with external equipment and systems.

520912100 Characteristics / Specifications

PARAMETER	VALUE
Model	CT-400
Part Number	52-0912-100
Instrument Type	13 slot VXI mainframe
Slots	13
Module Size	C size
Bus	VXIbus
Manufacturer	VTI Instruments VXI Technology Ametek
Cooling	pressurized air
Power	high power VXI PSU
Mechanical Package	13 slot mainframe
Related Power Supply	70-0271-000 for CT-100C
Slot	command module compatible
Backplane	P1/P2
Revision Class	VXIbus 1.4
Operating Temperature Class	0 to 55 C
Ac Input	100 to 240 Vac class
Fans	rear serviceable class
Mttr Class	field replaceable PSU/fans
Width Class	19 inch rack
Monitoring	basic or enhanced monitor class
Grant Daisy Chain	automatic
Grounding	chassis ground
Usable Power Class	hundreds of watts VXI
Operating temperature	Class: 0 to 55 C

520912100 Specifications

PARAMETER	VALUE
Applications	13-slot C-size VXI systems, high-power VXI ATE, and CT-100C/CT-400 family upgrades.
Key Features	13-slot C-size VXI
VTI / VXI Technology / Ametek branding	Related CT-100C power-supply accessory 70-0271-000
Technical Specifications	Model: CT-400

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 to 55 C
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Operating Temperature Class	0 to 55 C
Ac Input	100 to 240 Vac class
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Mttr Class	field replaceable PSU/fans
Width Class	19 inch rack
Monitoring	basic or enhanced monitor class
Grant Daisy Chain	automatic
Grounding	chassis ground
Usable Power Class	hundreds of watts VXI Notes Identity from Ametek/VTI 52-0912-100 CT-400 Modular 13-Slot VXI Mainframe listing. Exact usable watts and monitor option are on the CT-400 datasheet matching 52-0912-100.

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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Model	CT-400
Part Number	52-0912-100
Instrument Type	13 slot VXI mainframe
Slots	13
Module Size	C size
Bus	VXIbus
Manufacturer	VTI Instruments VXI Technology Ametek
Cooling	pressurized air
Power	high power VXI PSU
Mechanical Package	13 slot mainframe
Related Power Supply	70-0271-000 for CT-100C
Slot 0	command module compatible
Backplane	P1/P2
Revision Class	VXIbus 1.4
Operating Temperature Class	0 to 55 C
Ac Input	100 to 240 Vac class
Fans	rear serviceable class
Mttr Class	field replaceable PSU/fans
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Notes	
Identity from Ametek/VTI 52-0912-100 CT-400 Modular 13-Slot VXI Mainframe listing. Exact usable watts and monitor option are on the CT-400 datasheet matching 52-0912-100.	

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.