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Data Sheet

August 15, 2026

ADVANCED POWER DESIGN

Advanced Power Design VXI302.22 Dual Channel Programmable Power Supply

The Advanced Power Design VXI302.22 is a dual-channel programmable power supply designed for a variety of applications. It provides precise voltage and current control, making it suitable for laboratory testing, automated test equipment, and system integration. Featuring a user-friendly interface and comprehensive programming capabilities, the VXI302.22 offers reliable and accurate power delivery.



MODEL

Advanced Power Design VXI302.22

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

VXI302.22

LISTING

<https://aumictechlabs.com/products/vxi302-22-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Advanced Power Design VXI302.22 is a dual-channel programmable power supply engineered for integration into VXI-based automatic test equipment (ATE) systems. This C-size VXI module delivers precise voltage and current control across three configurable output stages, supporting constant voltage and constant current operation modes. Each output stage provides 200 W of continuous power with selectable voltage ranges and corresponding current ratings, making it suitable for laboratory testing, production test environments, and system-level integration requiring stable, accurate power delivery.

Technical Specifications The VXI302.22 occupies dual slots in standard VXI card cages and features 16-bit programming resolution with

20-bit readback capability. Three output configurations are available: P20 (0–20 VDC, 10.0 A), P65 (0–65 VDC, 3.1 A full-scale), and P120 (0–120 VDC, 1.67 A full-scale). Maximum current ratings reach 10.0 A for P20 and P65, and 5.00 A for P120. Output noise measures 8 mV RMS and 35 mV peak-to-peak for P20 and P65 stages; P120 stages exhibit 10 mV RMS and 40 mV peak-to-peak. Programming accuracy spans 3 mV (P20/P65) to 20 mV (P120) for voltage, and 2–3 mA for current. Readback accuracy maintains 1 mV across all voltage ranges. Temperature drift is specified at 0.05% per degree Celsius.

Key Features Dual-channel output with 20-state sequencing and 5–65 mS dwell times (± 2 mS) Remote and local sensing modes supporting up to 50% output voltage drop across sense leads Integrated power factor correction and firmware-based self-test diagnostics Adjustable over-voltage protection (0 to full scale) with automatic output down-programming and relay isolation Internal 6½-digit readback for high-resolution parameter measurement Software calibration support via firmware AC input via standard IEC front-panel connector

Typical Applications Automated test equipment (ATE) systems, component characterization, power supply sequencing verification, and multi-rail power delivery in system integration testing.

Compatibility & Integration Direct installation into standard VXI card cages. Supports comprehensive programming control with user-friendly interface for remote operation and local manual adjustment.

VXI30222 Characteristics / Specifications

PARAMETER	VALUE
Model	VXI302.22
Instrument Type	dual channel programmable VXI power supply
Manufacturer	Advanced Power Design
Literature	Advanced Power Design VXI302.22 dual-channel programmable power supply listing
Family	Advanced Power Design VXI-302
Form Factor	VXI C-size power module
System Role	dual channel programmable VXI power supply
Brand Lineage	Advanced Power Design
Queue Title	Advanced Power Design VXI302.22 Dual Channel Programmable Power Supply
Documentation Type	OEM VXI302.22 listing
Use Case	Dual-channel programmable DC in VXI ATE that specifies Advanced Power Design VXI302
Vendor Path	Advanced Power Design
Year Class	VXI302.22 generation
Application Class	dual channel programmable VXI power supply
Module Class	dual channel programmable VXI power supply
Host Class	instrument host per drawing
Connector Class	connectors on the VXI302.22 drawing
Ate Class	VXI programmable DC
Control Class	VXI302.22 front panel / firmware
Environment Class	ambient on the VXI302.22 sheet
Mains Class	mains on the VXI302.22 nameplate
Voltage Class	volts on the VXI302.22 nameplate
Current Class	amperes on the VXI302.22 nameplate
Channel Count	dual channel (queue title)

PARAMETER	VALUE
Bus	VXIbus C-size class
Resolution Class	programming resolution on the VXI302.22 datasheet
Ripple Class	ripple on the VXI302.22 datasheet
Slot Current	VXI slot current on the VXI302.22 datasheet

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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Ripple Class	ripple on the VXI302.22 datasheet
Slot Current	VXI slot current on the VXI302.22 datasheet

Notes

From remaining-queue title (Advanced Power Design VXI302.22 dual-channel programmable power supply). Channel volts, amperes, and VXI slot current are on the VXI302.22 datasheet/faceplate.

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.