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Data Sheet

August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP 0950-3704 High-Power Mainframe Power Supply for E1401B VXI Mainframe

The Keysight/Agilent/HP 0950-3704 is a high-power mainframe power supply designed for use with the E1401B VXI mainframe. It provides the necessary power to operate the various modules within the VXI system. This power supply ensures reliable and stable performance for demanding applications.

**MODEL****Keysight / Agilent /
HP 0950-3704****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****0950-3704****LISTING**[https://aumictechlabs.c
om/products/0950-370
4-2/](https://aumictechlabs.com/products/0950-3704-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight/Agilent/HP 0950-3704 is a high-power mainframe power supply engineered for the E1401B VXI mainframe. It delivers the substantial power required to operate diverse modules within a VXI system, supporting demanding laboratory and test applications with stable, protected output across seven standard VXIbus voltage rails. Technical Specifications Power Output Seven standard VXIbus power supply voltages with overvoltage, overcurrent, and temperature protection High peak and dynamic current capability for power-hungry module loads Input Power AC input: 100–240 VAC, auto-ranging; 50 Hz to 400 Hz operation DC input: 100 Vdc to 370 Vdc Power factor corrected input section Maximum inrush current: 40 A Thermal Management Pressurized

Air Channel cooling with variable-speed fan control Delivers 60 W per slot with 10°C temperature rise (all 13 slots) Up to 75 W per slot dissipation available at 15°C rise High Speed Mode (switch selectable) maintains full airflow continuously Dedicated side-mounted mainframe fan Serviceability Rear-panel access for power supply and fan replacement Mean Time To Repair (MTTR): 5 minutes Cableless backplane interconnect eliminates miswiring risk Rack-mountable design Monitoring & Control 25-pin D-connector rear panel interface Access to all power supply voltages, remote on/standby control, ACFAIL, SYSRESET, and +5VSTDBY signals Backplane Integration Solid-state automatic daisy-chain jumpering for VMEbus grant and interrupt acknowledge lines Compatible with Keysight/Agilent backplane connector shield kit (p/n E1400-80920) Key Features Automatic line voltage and frequency detection Uniform airflow distribution via Pressurized Air Channel architecture Easy serviceability through rear panel design Protected outputs across all voltage rails Compatibility & Integration Designed specifically for the Keysight/Agilent/HP E1401B VXI mainframe. Supports standard VXIbus architecture with VMEbus control signaling.

Features & description

From manufacturer datasheet

Features

- 0950-3704 E1401B high-power PSU

09503704 Characteristics / Specifications

PARAMETER	VALUE
Model	0950-3704
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	High Power Mainframe Power Supply
Alias	0950-3704
Parent Mainframe	E1401B C-size 13-slot VXI
Function	high-power multi-rail PSU
Related PSU 22	0950 2283 E1401B high-power
Related PSU 19	0950 1972 switching PSU
Related Backplane	E1401 66521
Related Fan	E840xA
Form	internal switching power supply
NotABenchtop Supply	mainframe PSU
Rails	VXI rails per silkscreen
Status	HP E1401B service part
Installation	E1401B PSU bay
Documentation	E1401B PSU 0950-3704
Use	like-for-like high-power supply
Identification	0950-3704
Compatibility	E1401B listing this PN
Input	AC mains per silkscreen
Cooling	PSU/frame airflow
Safety	mains and high current DC
ESD	PSU PCA
Not 22	different dash; confirm clipping list Notes E1401B high-power PSU identity from HP 0950-3704. Confirm versus 0950-2283 on the failed supply. Read rail ratings from the label.

09503704 Specifications

PARAMETER	VALUE
Applications	- E1401B PSU spare
Key Features	- 0950-3704 E1401B high-power PSU
Technical Specifications	Model: 0950-3704
Notes	E1401B high-power PSU identity from HP 0950-3704. Confirm versus 0950-2283 on the failed supply. Read rail ratings from the label.

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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PARAMETER	VALUE
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Specifications

PARAMETER	VALUE
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Specifications

PARAMETER	VALUE
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Specifications

PARAMETER	VALUE
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ESD	PSU PCA
Not 2283	different dash; confirm clipping list

Notes

E1401B high-power PSU identity from HP 0950-3704. Confirm versus 0950-2283 on the failed supply. Read rail ratings from the label.

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.