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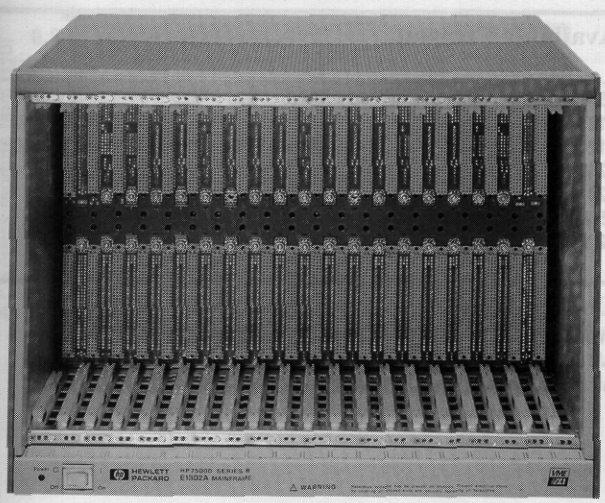
Find the *Keysight / Agilent E1302A* at our website: *Click HERE*

20-Slot B-Size VME/VXI Mainframe

HP E1302A

Technical Specifications

- **VME power supplies that meet VXI Specifications**
- **Power supply/fans are serviceable in rack (low MTTR)**
- **Automatic daisy chain jumpering**
- **Easy access to P2 rows A and C at rear of backplane**
- **Air filters mounted on rear panel, easily accessible**



HP E1302A

Description

The HP E1302A is a high-performance, 350 W VME/VXI **B-size VXI mainframe.** It provides a quality environment for larger scale B-size system configurations. Its backplane provides 20 slots with VME/VXI P1 and P2 row B connectors.

HP has incorporated its industry-leading Pressurized Air Channel cooling system into the design of the HP E1302A. This system is used in our most powerful C-size mainframes. It ensures clean, uniform airflow to each module. For greater air flow, cooling air intake is through the rear of the mainframe. Additionally, power supply and fans are serviceable through the rear. The implementation of solid state automatic daisy-chain jumpering for the VMEbus grant and interrupt acknowledge lines eliminates the need for hand selection of switch settings.

The HP E1302A is recommended for rack-mount and recess mount configurations, and for benchtop use.

Refer to the HP Website for instrument driver availability and downloading instructions, as well as for recent product updates, if applicable.

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HP E1302A, continued

General Characteristics

Air Flow and Power Supply Serviceability

- Power input and cooling air intake through the rear
- Power supply and fans are serviceable through the rear panel
- Cooling air exhaust through the sides and top
- Air filters are mounted on the rear panel, accessible with tools for cleaning

Specifications

VXI Characteristics

VXI device type:	Mainframe
Data transfer bus:	16, 24 bits
Size:	B
Slots:	20
Connectors:	P1/2 (row B)
Shared memory:	n/a
VXI busses:	n/a

Mechanical Specifications

	mm	inches
Height without bottom feet:	311	12.25
Height with bottom feet:	324	12.75
Width:	432	17.0
Depth without rear feet:	432	17.0
Depth with rear feet:	470	18.5
Weight:	15 kg	34 lbs.

Allow at least 100 mm (4 in) in front of the mainframe for terminal modules and cabling.

Power Specifications

Power output:

The power supply generates backplane logic signals ACFAIL* and SYSRESET* in full compliance with the VXI Specification, Revision 1.4.

DC Output Voltage	Pk Current I_{PM}	Dynamic Current I_{MD}
+5 V	50 A	3.5 A
+12 V	8 A	1.5 A
–12 V	4 A	0.5 A

Usable Power: 350 W maximum at 40 °C, 300 W at 55 °C

Power Supply Protection

All outputs are protected from over-temperature, over-voltage, over-current, short-to-ground, and short to other supplies. Protection mode is full shutdown. Recovery occurs when unit has cooled or fault removed.

Power Input

Input voltage:	90 Vac to 240 Vac
Input frequency:	47 Hz to 63 Hz
Inrush current:	<18 A at 230 Vac
+5VSTDBY:	3 A max *(user-supplied; power taps located on rear for input of standby voltage and ground to backplane)*

Cooling

Temperature rise:	10 °C *(through the module for a 30 W module with typical density)*

Environmental and Regulatory

Acoustic noise:	Less than 55 dBA sound pressure at bystander position (measured 1 m in front of product per DIN 45635T.1)

Available Current

	I_{MP}	I_{MD}
+5 V:	50.00	3.50
+12 V:	8.00	1.50
–12 V:	4.00	0.50
+24 V:	0	0
–24 V:	0	0
–5.2 V:	0	0
–2 V:	0	0

Cooling/Slot

Watts/slot:	35 W (10 °C rise)
ΔP mm H_2O:	n/a
Air Flow liter/s:	n/a

HEWLETT PACKARD

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HP E1302A, continued

Rack-mounting Details

Configuration Checklist

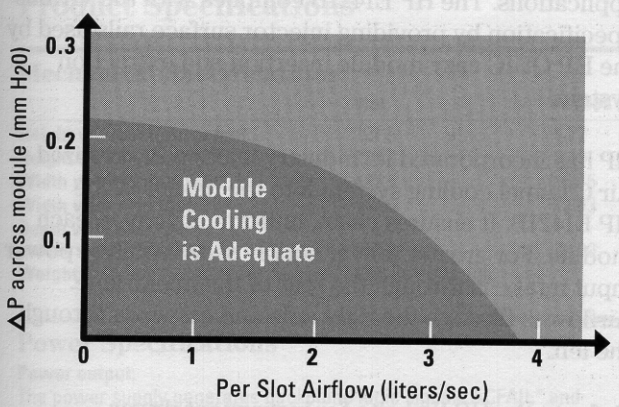
Find the column (A, B, or C) that contains the desired rack-mounting components, then follow the column down for ordering information.

Recommended Configurations

	A	B	C
Recess mount:			*
Benchtop:	•		
Rack-mount:		•	•
Rack-slides:		•	*
Front handles:		•	•

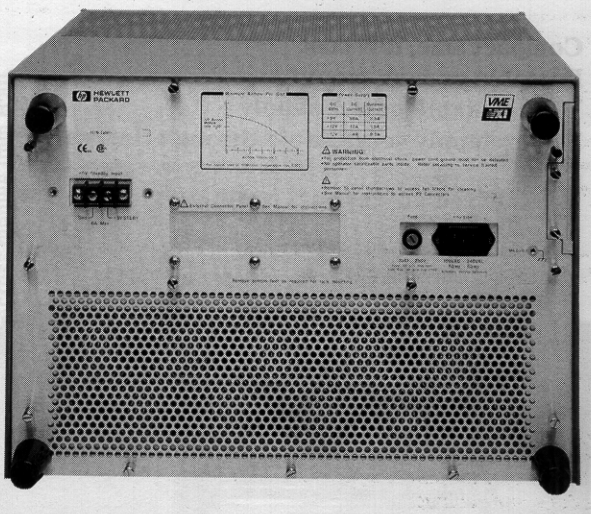
You Need to Order

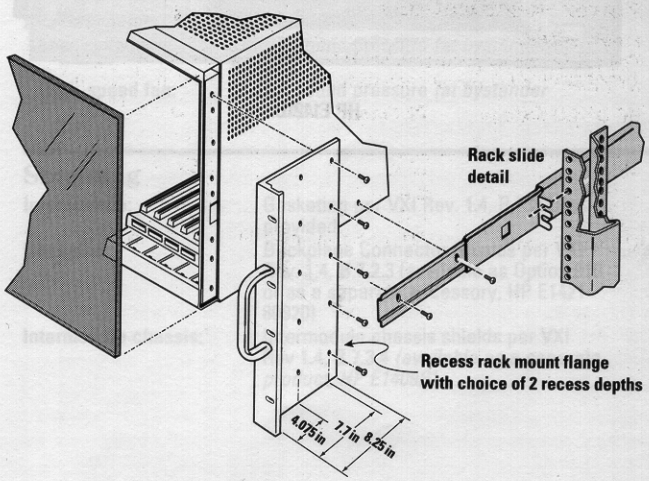
	A	B	C
Option AXF:		X	
Option AXG:			X



Ordering Information

Description	Product No.
20-Slot B-size VME/VXI Mainframe	HP E1302A
VXI module installation w/ std. address	HP E1302A 500
Smoked acrylic door for hiding cables	HP E1302A 915
Rack mounts with rack slides kit	HP E1302A AXF
Recessed rack mounts w/ rack slides kit	HP E1302A AXG
3 yr. retn. to HP to 1 yr. OnSite warr.	HP E1302A W01
Order E1300-06102	HP E1300-04103
Order E1300-06102	HP E1300-04105
RK MNT W/RK SLD Kit	HP E1302-61200
Order E1302-61203 Recess RK Kit	HP E1302-61201





Option AXG

HP Publication No.: 5965-5526E

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