Agilent E1300B
B-Size VXI Mainframe, 9-Slot

Data Sheet

- 9-Slot, B-size
- Dual fan cooling supports high-power modules
- Low-cost, compact mainframe
- Built-in command module
- GPIB interface and Resource Manager
- SCPI for easy programming

Description

The Agilent Technologies E1300B **B-size VXI Mainframe** features improved dual fan cooling for support of the most demanding M-Modules and B-size modules. Two of its nine slots are located internally and are dedicated to housing the 2-slot E1326B Multimeter. Three A-size slots are also available for installing other modules. The E1300B mainframe features a built-in high-performance command module with built-in GPIB interface.

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

Optional Features

The E1300B Mainframe offers 1 or 2 MB non-volatile memory for program and data storage.

Air Flow and Power Supply Serviceability

- Power Input and cooling air intake through the right side
- Cooling air exhaust through the left side

Product Specifications

Mechanical Specifications

	mm	inches
Height without bottom feet:	177	6.97
Height with bottom feet:	189	7.44
Width:	426	16.75
Depth:	510	20.1
Depth with terminal blocks:	569	22.38
Weight:	7.4 kg/16 lbs	

Agilent E1300B

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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_{MP}
+5 V:	12.2 A
+12 V:	4.6 A
−12 V:	0.9 A
Usable power:	120 W maximum at 40° C

Power Supply Protection

All outputs are protected from over-temperature, over-voltage, over-current, and short-to-ground.

Power Input

Input voltage:	115 Vac to 230 Vac (250 V max)
Input frequency:	50 Hz to 400 Hz

Cooling

Temperature rise:	10° C (through the module for a 25 W module with typical density)

Environmental and Regulatory

Acoustic noise:	Less than 40 dBA sound pressure at bystander position (measured 1 m. in front of product per DIN 45635T.1)

General Specifications

VXI Characteristics

VXI device type:	Mainframe
Data transfer bus:	16 bits
Size:	B
Slots:	9 (7 external, 2 internal, 3 external A-size)
Connectors:	P1
Shared memory:	n/a
VXI buses:	none

Cooling/Slot

Watts/slot:	25 W (10° C rise)
ΔP mm H_2O:	n/a
Air flow liter/s:	n/a

Available Current

	I_{MP} (A)	I_{MD} (A)
+5 V:	12.20	0
+12 V:	4.60	0
−12 V:	0.90	0
+24 V:	0	0
−24 V:	0	0
−5.2 V:	0	0
−2 V:	0	0

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
Rack-mount:		●	●
Handles:	●		●
Rails and flanges:		●	●

You Need to Order

	A	B	C	For reorders use part number
Option 907 handle kit:	●			5062-3900
Option 908 rack-mount rails/flanges:		●		E1300-80908
Option 909 rack-mount rail/flanges/handles:			●	E1300-80909

Ordering Information

Description	Product No.
9-Slot, B-Size VXI Mainframe	E1300B
E1326B Multimeter Installed Internally	E1300B 009
512 kbyte Nonvolatile Memory Installed	E1300B 010
1 Mbyte Nonvolatile Memory Installed*	E1300B 011
2 Mbyte Nonvolatile Memory Installed	E1300B 012
Front Handle Kit for E1300B Mainframe	E1300B 907
Rackmount Flanges and Rails for E1300B	E1300B 908
Rackmount Flanges, Handles and Rails	E1300B 909
Germany-German Localization	E1300B ABD
France-French Localization	E1300B ABF
Japan-Japanese Localization	E1300B ABJ
Italy-Italian Localization	E1300B ABZ
ANSI Z540 Compliant Calibration	E1300B A6J
Cover Parts Kit	E1300-06102
Field Install Kit 512 K Memory	E1300-80002
Field Install Kit 1 Mbyte Memory	E1300-80003
Internal Installation Kit for E1326B DVM	E1326-80004
Kit-Binding Post	E1326-80005
Firmware Update to A.07 w/o IBASIC	E1300-80070
Rack Mount Kit w/Rails	E1300-80908
Rack Mount & Handle Kit	E1300-80909
Service Manual	E1300-90015

*Option 011 is required if you are using the E1313A. However, Option 012 is recommended.

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