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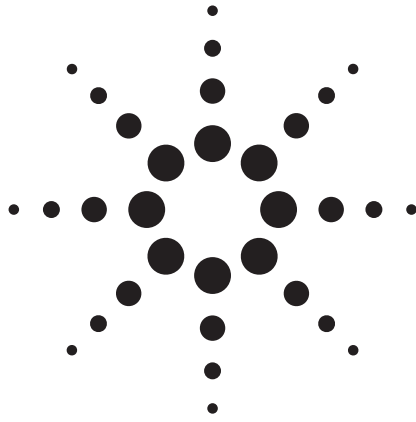
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Agilent E1300B B-Size VXI Mainframe, 9-Slot

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



Agilent E1300B

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 Technologies

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 ₂ O: | 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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