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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 | |

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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)

**$\Delta$P 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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Printed in the U.S.A. May 1, 2004
5966-2982E


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