Appendix A
HP E1403C and HP E1407A Specifications

Product Characteristics

- P1 and P2 extension fully buffered (P1 only on HP E1403C).
- Slave-only capability; cannot be used in Slot 0 with bus masters.
- Unlimited number of adapters per mainframe.
- 1-slot wide.
- Option 10 is 2-slot wide. Only the P1 and/or P2 connectors of a single slot are used.
- Replacement fuses are subminiature 4A, 125V (Littelfuse is recommended).

Power Requirements

Voltage:	**+5V**	**+12V***
Peak Module Current (A):	0.10	0.07
Dynamic Module Current (A):	0.01	0.01

* HP E1407A Only

Cooling Requirements

0.02 mm H_2O @0.10 Liter/sec Air Flow for 10°C rise.

Agilent E1403C
A/B to C-Size P1 Active Adapter, 1-Slot

Data sheet

- **Adapts A- or B-size VXI to C-size VXI**
- **Provides active extensions of P1 only**
- **Fits 1-slot or 2-slot (optional) modules**
- **Provides slave-only capability**

Description

The Agilent Technologies E1403C 1- or 2-slot VXI carrier adapts A- or B-size VXI modules for use in all C-size VXI mainframes. P1, which is the only connector available, is a fully buffered extension. The E1403C provides slave-only capability and cannot be used in Slot 0 or with bus masters. The standard module is 1-slot wide; Option 010 is 2 slots wide, however, it only connects to the backplane on the left-most slot. Any number of adapters can be used in an Agilent VXI mainframe.

Many (but not all) VME cards can be adapted for the use in C-size VXI mainframes using this module if they meet VXI mechanical and electrical restrictions. However, this is not a supported configuration.

Refer to the Agilent Technologies Website for instrument driver availability and downloading instructions.

Cables

Cables are required for adapting B-size multiplexers in a C-size mainframe. The B-size multiplexers require analog bus cables longer than those shipped, and, therefore, longer ones must be ordered separately to connect Multiplexer-to-Multiplexer and Multiplexer to the Agilent E1411A/B C-size digital multimeter. These cables are necessary when mounting a B-size multiplexer in a C-size adapter because of the different spacing and positioning of the analog bus connectors on the B- and C-size modules. The following cables are available:

1. **Agilent E1411A/B DMM to B-size Multiplexer/E1403C Cable part numbers:**
   Agilent E1326-61611 Analog Bus Cable, The E1326-61611 is the same cable used with the B-size cardcage internal DMM configuration.
   - Agilent E1411-61601 Multiplexer-to-DMM (FET Multiplexer only). Order the Agilent E1411-80001 cable kit to get both the E1326-61611 long analog bus cable and the E1411-61601 digital bus cable together.
2. **B-size Multiplexer/E1403C to B-size Multiplexer/E1403C Cable part numbers:**
   - Agilent E1400-61605 Multiplexer-to-Multiplexer Cable. The E1400-61605 is the same cable used to connect C-size Multiplexers together.
3. **C-size Multiplexer to B-size Multiplexer/E1403C Cable part numbers:**
   Agilent E1326-61611 Analog Bus Cable. The E1326-61611 is the same cable used with the B-size cardcage internal DMM configuration.

General Specifications

VXI Characteristics		
VXI device type	n/a	
Size	C	
Slots	1 or 2	
Connectors	P1	
Shared memory	n/a	
VXI buses	n/a	
Module Current	I_{PM}	I_{0M}
+5 V	0.1	0.01
+12 V	0	0
–12 V	0	0
+24 V	0	0
–24 V	0	0
–5.2 V	0	0
–2 V	0	0
Cooling/Slot		
Watts/Slot	0.50	
ΔP mm H_2O	0.02	
Air Flow liter/s	0.10	

Ordering Information	
Description	Product No.
A/B-to-C-Size, 1-slot Adapter	E1403C
2-Slot Wide Adapter	E1403C 010

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