Agilent E1407A A/B to C-Size P1/P2 Active Adapter

Data sheet

- **Adapts A- or B-size VXI to C-size VXI**
- **Provides active extensions of P1 and P2**
- **Fits 1-slot or 2-slots (optional) modules**
- **Provides slave-only capability**
- **Allows isolation of outer rows of P2**

Description

The Agilent Technologies E1407A C-size, 1- or 2-slot carrier adapts A- or B-size VXI modules for use in all C-size VXI mainframes. The P1 and P2 extensions are fully buffered. A ribbon cable allows isolation of the outer rows of P2 for VME applications. The E1407A 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 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 multimeter 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/E1407A 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/E1407A to B-size Multiplexer/E1407A Cable part numbers:**
   - Agilent E1400-61605 Multiplexer-to-Multiplexer Cable. The E1400-61605 is the same cable used to connect C-size Multiplexers together.
   - 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.
3. **C-size Multiplexer to B-size Multiplexer/E1407A 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.

General Specifications

VXI Characteristics		
VXI device type	n/a	
Size	C	
Slots	1/2	
Connectors	P1 or 2	
Shared memory	n/a	
VXI buses	n/a	
Module Current	I_{PM}	I_{0M}
+5 V	0.1	0.01
+12 V	0.07	0.01
–12 V	0	0
+24 V	0	0
–24 V	0	0
–5.2 V	0	0
–2 V	0.01	0
Cooling/Slot		
Watts/Slot	0.50	
ΔP mm H_2O	0.20	
Air Flow liter/s	0.10	

Ordering Information	
Description	Product No.
A/B-to-C-Size Adapter	E1407A
2-Slot Wide Adapter	E1407A 010

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