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_{OM}
+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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