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## Portable Six-slot VXIbus Mainframe

**Designed to Provide Cost-effective VXIbus Solutions**

**Removable Cover. Access to Instruments During Product Development or Instrument Calibration**

**Adjustable Fan Speed**

**Enhanced Monitoring Included**

**Fault Output Signals Available on Rear Panel**

**Modular Fan/Power Supply Assembly Reduces MTR**



### Cost-effective portable Test Solutions

The CT-100C portable C-size VXIbus mainframe provides very cost-effective test solutions in a small footprint. When using VMIP™ instruments such as DMMs, arbitrary waveform generators, digitizers, etc., complete test scenarios can easily be configured for thousands of dollars less than using conventional VXIbus products.

### Backplane

The backplane is a monolithic, multi-layer design, with automatic, solid state daisy-chain jumpering for the interrupt acknowledge and VMEbus grant lines. This eliminates the need for manual jumpering and provides improved reliability over mechanical jumperless backplane designs. Instrument modules can now be added or removed without concern for the backplane configuration.

### Performance

Years of VXIbus mainframe design experience, along with advancements in technology, have enabled VXI Technology to produce a 6-slot VXIbus mainframe at a price hundreds of dollars below the competition...and with superior performance.

The CT-100C uses a pressurized airflow system. As air enters the mainframe from the rear, it is pressurized below the cards and evenly distributed across all slots and along the total length of each card slot, avoiding hot spots common in other designs. The air exhausts through the top and away from the user. This cooling approach helps increase MTBF figures and module performance.

High-quality power supplies are used in the CT-100C and are UL, CSA and TUV approved. The power supplies are short-circuit, over-voltage, reverse-voltage and thermal-shutdown protected. Auto-ranging power supplies are used to avoid any concern about the voltage source used.

### Monitoring

The CT-100C provides a rear panel connector where the status of each of the power supplies, AC input, and fans are available for monitoring as open-collector lines. This allows multiple chassis to be monitored. In

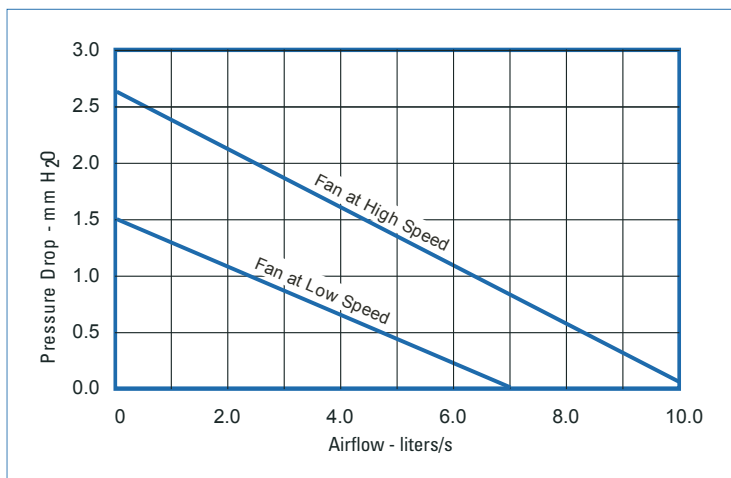
In addition, all supply lines and fan operation are monitored and displayed on the front panel to provide user feedback of correct operation.

## Flexibility

The CT-100C is designed to provide flexibility of use in bench-top and rack-mount applications, as well as in portable environments. The outside cover is removable for easy access to the VXIbus modules during bench-top development, troubleshooting, or calibration. For rack-mount applications, a rack-mount kit allows the CT-100C to mount flush, or be recessed four inches. A latched door is provided with the rack-mount kit, which can be user-modified to accept connectors, switches, or indicators.

## Specifications

<b>Size:</b>	21" deep x 8.2" high x 15" wide without handles and feet 21" deep x 8.5" high x 17" wide with handles and feet Six C-size VXIbus card slots
<b>Weight:</b>	22lbs. / 10 kg
<b>VXIbus Revision:</b>	2.0
<b>Useable Power:</b>	500 Watts @ 40 °C
<b>MTTR:</b>	5 Minutes
<b>Cooling:</b>	80 Watts/slot max for a 10 °C rise 120 Watts/slot max for a 15 °C rise



## DC Supply Voltage:

Peak	Dynamic Current (Imp)	Current (I <sub>md</sub> )
+5V	40A	5A
-5.2V	10A	5A
-2V	8A	2A
+12V	8A	2A
-12V	4A	2A
+24V	4A	2A
-24V	4A	2A

## Input Voltage:

90VAC-264VAC (47 Hz - 440 Hz)  
power factor corrected 120 - 350 V DC

## +5VSTBY

1A max., user-supplied 25p DSub on rear panel, voltage and ground

## Temperature:

0°C to 55°C Operating  
- 40°C to +70°C Storage

## Power Supplies:

UL, CSA, TUV approved  
Short circuit, over-voltage, reverse voltage, and thermal shutdown protection

## Rack Mount Kit:

Kit with slides available  
5 U high EIA rack (8.75")

## Environmental:

CISPR 11, EN 55011, Class A  
IEC 801-2, EN 50082-1, 4kVCD, 8kVAD  
IEC 801-3, EN 50082-1, 3 V/M  
IEC 801-4, EN 50082-1, 1kV



## ORDERING INFORMATION

CT-100C	Portable Six-slot Mainframe
Option 59:	Rack Mount Ears
Option 60:	Rack Mount Door Kit (w/o slides)
Option 63:	20' Rack Slides (for Flush Mounting)
Option 64:	24" Slides (for 4" Recessed Mounting)



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