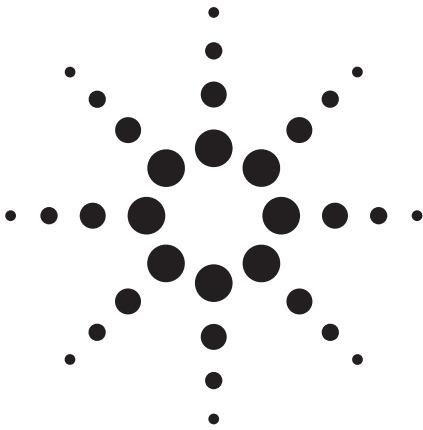


# Agilent E1586A Rack-Mount Terminal Panel

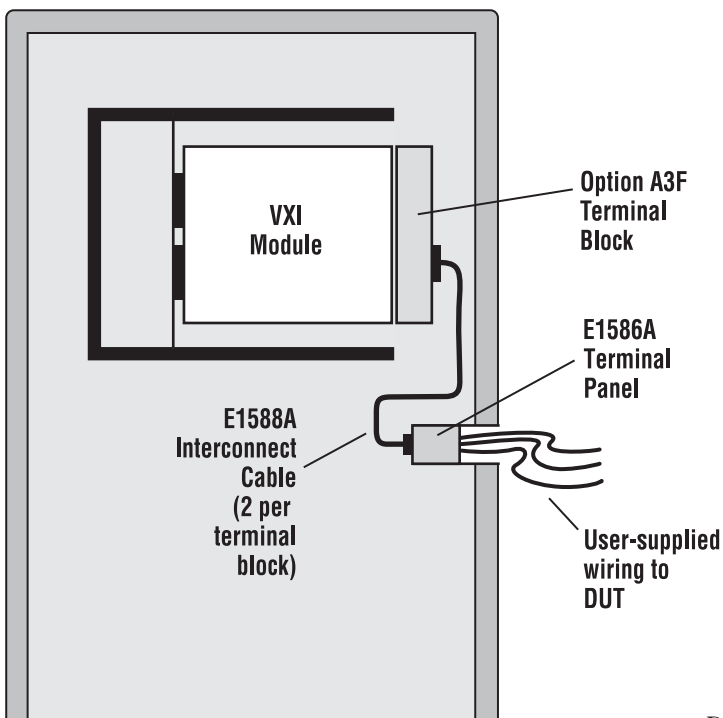
## Data Sheet



- 96 terminals (32 three-wire channels)
- Built-in strain relief
- Includes pinouts and easy access to probe points
- Connections via 50-pin SCSI connectors
- Internal reference junction 32 TC channels



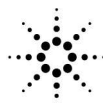
E1586A



### Description

The E1586A Rack-Mount Terminal Panel provides maximum flexibility in configuring system wiring and interface solutions. It connects VXI test modules to your device under test (DUT) when the system components are located at a distance from your mainframe.

Different cable pairs are available from Agilent for connecting the E1586A Rack-Mount Terminal Panel to VXI modules with option A3F. The standard cables (E1588A) consist of two each 2-meter long, 16-channel, 50 conductor twisted pair SCSI cables with one shield around all 16 pairs. These cables are suitable for relatively short cable runs. Ask your Agilent Sales Representative to contact Agilent's manufacturing division for price and delivery of these custom-length cables.



## Temperature Monitoring

The isothermal reference junction in the terminal panel provides an internal reference junction for up to 32 three-wire thermocouple channels. The rack-mount design provides easy access to the thermocouples for control and monitoring of distributed environmental temperatures, temperature control applications, and temperature control in material processing.

## Filtering

Optional filter board provides jumper-selectable per channel tri-filar transformers and/or low-pass RF filters. These are generally required in order to get accurate low-level measurements whenever high-frequency common mode noise in the 1 kHz to 1 MHz range is present.

## Product Specifications

<b>Model:</b>	E1586A Rack-Mount Terminal Panel
<b>Rack width:</b>	Standard 19 inch
<b>Number of terminals:</b>	96 (32 3-wire channels)
<b>Thermocouple channels:</b>	32 3-wire with isothermal reference junction
<b>Common mode RF filter available:</b>	E1586A Opt 001
<b>VXI-to-terminal panel shielded cables (custom length):</b>	See note with Ordering Information.

## Ordering Information

Description	Product No.
Rack-Mount Terminal Panel for 32 Channels	E1586A
Add RF Filters	E1586A 001 <sup>(1)</sup>
16-channel Shielded Twisted Pair Cable Outer Shield (2 ea, 2 m long)	E1588A <sup>(2)</sup>
16-Channel Shielded Twisted Pair Cable Individually Shielded Pairs	See note below. <sup>(3)</sup>

<sup>(1)</sup> Filters for large common mode signals (above 5 Vp-p and below 5 kHz) are also available by custom order.

<sup>(2)</sup> A standard SCSI-2 cable (such as the cable orderable from Cables To Go, P/N DZSUNMM3) may be used. Note, however, that the cable must have .050 MD50 connectors on both ends. Agilent strongly recommends using metal connector housing. Molded connector housings may not fit in the terminal modules.

<sup>(3)</sup> These cables can be custom ordered to length to fit your application. To order, ask your Agilent Sales Representative to contact the Agilent manufacturing division for price and delivery.

## Related Literature

*2000 Test System and VXI Catalog CD-ROM*,  
Agilent Pub. No. 5980-0308E (detailed specifications for VXI products)

*2000 Test System and VXI Catalog*,  
Agilent Pub. No. 5980-0307E (overview of VXI products )

*1998 Test System and VXI Products Data Book*,  
Agilent Pub. No. 5966-2812E

## Online

Internet access for Agilent product information, services and support  
[www.agilent.com/find/tmdir](http://www.agilent.com/find/tmdir)

VXI product information  
[www.agilent.com/find/vxi](http://www.agilent.com/find/vxi)

Defense Electronics Applications  
[www.agilent.com/find/defense\\_ATE](http://www.agilent.com/find/defense_ATE)

Agilent Technologies VXI Channel Partners  
[www.agilent.com/find/vxichanpart](http://www.agilent.com/find/vxichanpart)

Agilent Technologies' HP VEE Application Website  
[www.agilent.com/find/vee](http://www.agilent.com/find/vee)

Agilent Technologies Data Acquisition and Control Website  
[www.agilent.com/find/data\\_acq](http://www.agilent.com/find/data_acq)

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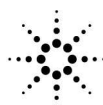
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