V792

Rack-mount, Isothermal Termination Panel

The V792 Isothermal Panel provides a reference junction for up to 31 thermocouples. When configured for non-isothermal operation, the panel permits termination of up to 72 I/O points.

Arranged for 19-inch rack mounting, the panel occupies only 1U of rack height (4.45 cm, 1.75 in).

Part of the high-speed FOXI fiber-optic interface bus system

APPLICATIONS

Field wiring terminations

Module I/O termination

General-purpose patch panel

General purpose temperature measurement

Distributed environmental temperature control and monitoring

Temperature control in material processing

FEATURES

- Up to 72 I/O terminations with 19" rack mounting
- Internal reference junction
- Dependable cage clamp connections to field wiring
- Test points available on each terminal
- Improved CMRR option available for us in high-noise environments (for the V243)
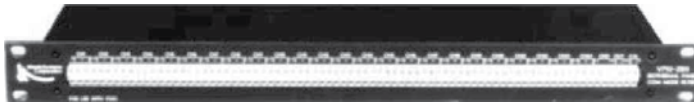
GENERAL DESCRIPTION

The V792 Isothermal Panel provides a reference junction for up to 31 thermocouples. When configured for non-isothermal operation, the panel permits termination of up to 72 I/O points. Arranged for 19-inch rack mounting, the panel occupies only 1U of rack height (4.45 cm, 1.75 in).

The V792-ZA11 uses 72 LMI steel cage clamp terminals to receive field wiring. Each terminal accepts a single solid or stranded conductor in wire sizes AWG 22 to AWG 14. The rear panel has two 50P Amphenol Ribbon connectors, one 50S High Density connector, and one 68S High Density connector for a wide variety of system solutions.

The V792-ZB11 is a 24-channel isothermal panel which includes a trifilar-wound transformer and associated network for each input channel. This option was developed for applications that require microvolt-level accuracy in the presence of high-frequency noise. When used with the V243 Low-level Multiplexer module, the V792-ZB11 provides excellent common-mode rejection from dc to 20 MHz. This is particularly important, since high-frequency common-mode voltages can produce significant dc-offset errors when acquiring low-level signals. The 5868-Dxyz cable should be used to connect this panel option toaV243.

RELATED PRODUCTS

Model 5 819-Exyz	Cable—5 0P High Density to 5 0P High Density
Model 5819-Fxyz	Cable—50P High Density to 50S High Density
Model 5855-Bxyz	Cable—50S Amphenol Ribbon to 36P AMP Rectangular (up to 2)
Model 5868-Cxyz	Cable—68P High Density to 68P High Density
Model 5868-Dxyz	Cable—68P High Density to 68S High Density

ORDERING INFORMATION

MODEL	DESCRIPTION
V792-ZA11	Rack-mount Isothermal Termination Panel
V792-ZB11	Rack-mount Isothermal Termination Panel with Improved CMRR (for use with V243)

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