



2000 Series 32 Point
Single-Ended Analog
Input Multiplexor Board
43743-1000

FEATURES

- Multiplexes 32 single-ended analog inputs (± 10 V, ± 1 mA, or 4 to 20 mA)
- Used in conjunction with the 2000 Series Analog/Digital Converter Board
- Surge protected to ANSI/IEEE C37.90-1989 Sec. 9 SWC when connected to Tetragenics termination panels
- Settles to within 0.1% of full scale change within 0.12 seconds with a standard filter
- Provides board filters 60 Hz ripple measured at 24.9 dB
- Optional filter configurations available
- Functions with Tetragenics' 2000 Series Bus
- Interfaces to the Tetragenics 32 Single-Ended Analog Input MUX Termination Panel or the Tetragenics Analog Input Eurocard Termination Card

DESCRIPTION

The Tetragenics 2000 Series 32 Point, Single-Ended Analog Input Multiplexor (MUX) Board provides a cost-effective way to multiplex 32 single-ended ± 10 V, ± 1 mA, or 4 to 20 mA analog inputs.

You can use eight Analog Input boards in tandem with one Analog/Digital Converter Board. The Analog Input board connects to an MSE-Tetragenics termination panel using cables with a standard 32 pair connector.

Easily remove the board by loosening the screws and pulling out the board.

POWER REQUIREMENTS

50 mA at +15 VDC
50 mA at -15 VDC

ENVIRONMENTAL DATA

Operational Temperature: 0 to 60° C
Storage Temperature: -40 to 70° C
Humidity: 95% Noncondensing

INPUT OPTIONS

± 10 V: 200 Mohms Input Impedance
 ± 1 mA: 10 kohms Burden Resistor
4-20 mA: 250 kohms Burden Resistor
(All options filter 60 Hz ripple)

MECHANICAL DATA

Standard Double-Height Eurocard;
Overall sizes to DIN 41 494 part 2,
IEC 297-3 (6.299" x 9.187")

Front Panel: *6 U x 4 HP (10.3" x .8")
Weight: Approximately 10.25 oz.

* U = 1 unit (approx. 1.71 inches)
HP = Horizontal Pitch approx. 0.2 inches

ACCURACY

± 10 V: $\pm 0.05\% \pm 2$ ppm/deg. C
 ± 1 mA: $\pm 0.15\% \pm 25$ ppm/deg. C
4-20 mA: $\pm 0.15\% \pm 125$ ppm/deg. C

