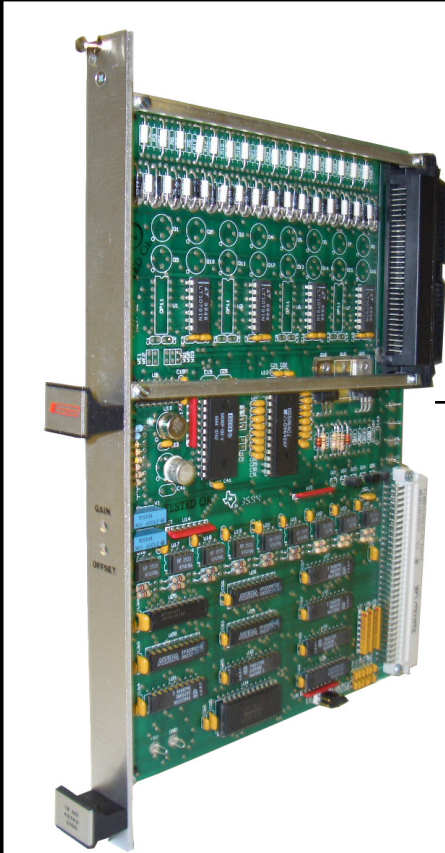


FEATURES

- Functions with VMEbus CPU
- 16 Single-Ended Analog Outputs ($\pm 10V$, $\pm 1\text{ mA}$, 0-20 mA)
- Interfaces to Tetragenics 16 Single-Ended Analog Output Termination Panel
- 0-20 mA transmitter specifies as a type 3, Class L transmitter (ANSI-MC12.1-1975, Sec. 4 Standard Transmitters)
- Using external supply 0-20 mA transmitter specified as a type 3, Class V transmitter (ANSI-MC12.1-1975, Sec. 4 Standard Transmitters)
- Surge protected to ANSI/IEEE C37.90-1978 Sec. 9 SWC



2000 Single-Ended
Analog Output Board
43743-2100

DESCRIPTION

The 16 Single-Ended Analog Output Board provides a cost effective way to provide 16 single-ended $\pm 10\text{ V}$, $\pm 1\text{ mA}$, or 0-20 mA analog outputs. It is connected to a Tetragenics termination panel using cables with CHAMP connectors.

You can remove the board from the chassis easily by loosening two hold-down screws and pulling out the board.

POWER REQUIREMENTS

$\pm 10V$ (226 mA @ 5V, 49 mA @ +15V,
49 mA @ -15V)
 $\pm 1\text{mA}$ (226 mA @ 5V, 67 mA @ +15V,
69 mA @ -15V)
0-20 mA (226 mA @ 5V, 74 mA @
+15V, 68 mA @ -15V)

ENVIRONMENTAL DATA

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

MECHANICAL DATA

Standard Double-Height Eurocard; Over-
all 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 16 oz.

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

OUTPUT OPTIONS

+10V, +1 mA, 0-20 mA

OUTPUT LOADING CAPABILITIES

$\pm 10V$ (1K Ohm min.)
 $\pm 1\text{ mA}$ (10K Ohm max.)
0-20 mA (Class L) (300 Ohm max.)
0-20 mA (Class V, External Supply)
(800 Ohm max.)

ACCURACY

$\pm 10V$: $\pm 0.06\%$ $\pm 25\text{ ppm/deg. C}$ of FSR
 $\pm 1\text{mA}$: $\pm 0.36\%$ $\pm 100\text{ ppm/deg. C}$ of FSR
0-20mA: $\pm 0.36\%$ $\pm 100\text{ ppm/deg. C}$ of FSR
(300 Ohm load)
 $\pm 0.56\%$ $\pm 150\text{ ppm/deg. C}$ of FSR
(800 Ohm load)

