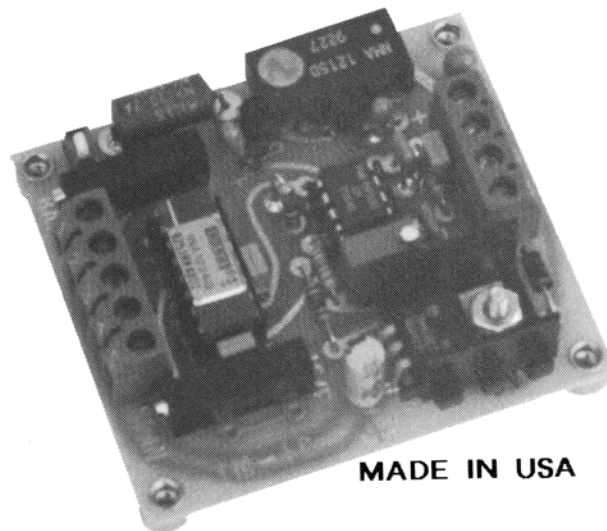


12 VDC POWERED AMPLIFIER / CONDITIONER MODULE

The TM-1 Module provides low cost dedicated conditioning for one bridge type load or pressure sensor. The unit can be placed near the sensor for high level signal transmission. Several units can be powered from a common power supply. Balance and span pots are low Tempco metal film for long-term stability and good resolution. The TM-1 is ideal for imbedding in your system to support load sensors of pressure transducers.

FEATURES

- Modest cost
- Single 12 VDC power
- R-Cal resistor included
- Push button Cal
- Precision Bal/Span trimmers
- High level output
- Excellent stability
- Wide band option



MADE IN USA

SPECIFICATIONS

AMPLIFIER SECTION

Type : Bipolar, Differential
 Gain Range : 75 to 1000
 Input Sensitivity : 1 MV/V min for 8 V output
 Output Voltage : 0 to ± 8 VDC (linear to 9.5)
 Output Current : 0 to 10 MA
 Non-Linearity : .01% maximum
 Compliance : .1% plus vs minus full scale
 Stability : \pm for 24 hours
 Tempco : $\pm 0.1\%$ full scale/ $^{\circ}$ C
 Noise and Ripple : Less than 5 MV
 P-P at gain = 1000
 Filter Type : 2 Pole Butterworth,
 12 db/octave
 Frequency Response : DC to 22 Hz (4-500 Hz
 available, no charge)

BRIDGE SECTION

Excitation Voltage : 8 VDC \pm .25
 Sensor Resistance : 120 OHM min, 1000 OHM max
 Balance Range : $\pm 3\%$ of bridge resistance

GENERAL

Weight : Approx, 2 oz.
 Size : 2.25 x 2.5 x .8 inches tall
 Mounting : Corner standoffs, 4-40 thread
 Input/Output : Via screw terminals
 Operating Temp : 0 to 70 $^{\circ}$ C
 Power Required : 12 VDC \pm .5 at 65 MA

OPTION

-H : DC to 5000 Hz band-width