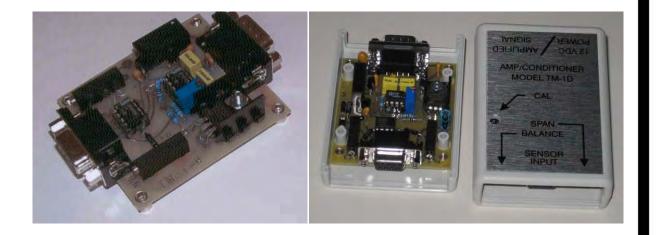


12 VDC POWERED BRIDGE AMPLIFIER / SIGNAL CONDITIONER MODULE

The TM-1D module provides low cost dedicated conditioning for one bridge type sensor (Load, Torque, Pressure, etc...). The unit can be placed near the sensor for high level signal transmission. Several units can be powered from a common power supply.

High quality, 'true analog' components, provide high gain and low noise. Balance and Span pots are low TempCo metal film for long-term stability, and, better resolution. Price vs. Performance ratio is excellent.



SPECIFICATIONS

AMPLIFIER SECTION

Type: Gain Range: Input Sensitivity: Output Voltage: Output Current: Non-Linearity: Compliance: Stability: TempCo: Noise & Ripple: Filter Type: Bi-Polar, Differential 75 to 1000 (options: 2 min; 1500 max) 2 to 4 mV/V (options: 0.5 min; 15 max) 0 to +/-5 VDC (options: 9.5 max) 0 to 10 mA 0.01% max 0.1% Span +/-0.1% for 24 hours 0.01% FS / deg C 1.2 mV RMS typical, 5 mV P-P max 2-Pole Butterworth BRIDGE SECTION Excitation Voltage: Sensor Resistance: Balance Range:

stance: 120 to 100 Range: +/- 30% F

GENERAL Size:

Mounting: Input / Output: Operating Temp: Power Required: 8.0 VDC (options: 3.3, 5.0, 10) 120 to 1000 (options: 10K max) +/- 30% FS min (options: 10, 100)

4 x 3 x 1 inch with Protective Cover Desktop (options: DIN Rail) 9-pin DSub connectors 0 to 70 deg C 12 VDC +/- 0.5 @ 65 mA

