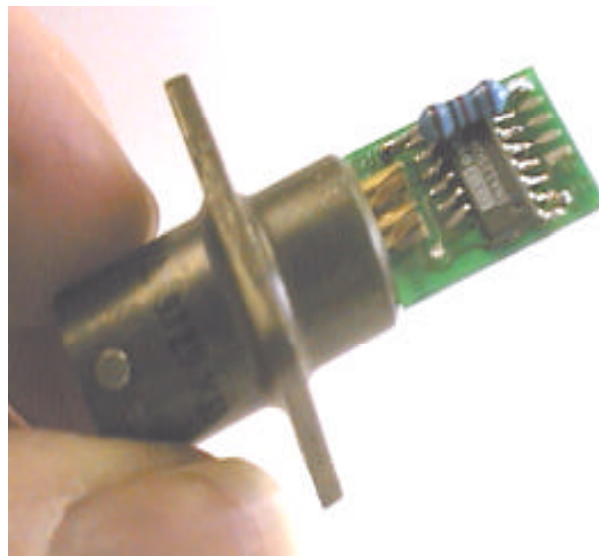


90376

MINIATURE AMPLIFIER

This miniature, on-board, transducer amplifier is capable of supplying excitation voltage and amplifying millivolt signals from strain gage based transducers.

The model 90376 bi-polar amplifier can be mounted inside the housings of many of our load cells and torque sensors. Where space is a premium, these amplifiers can also be integrated into the back shell of the connector, or in-line with the signal cable. Uses include interfacing sensors with PC cards, A/D boards, standard panel meters, and other instrumentation that require high level analog signal inputs.



SPECIFICATIONS

Bi-Polar Output +/-5V or +/-10Vdc (factory set)
Gain (Fixed) 1.1 to 1000 (resistor setable)
Zero offset (sensor dependent)
Gain drift with temperature (typical) <.002%/°F
Offset drift with temperature (typical) <.001%/°F
Operating temperature range -40°F to 185°F
Excitation output voltage 5Vdc
Minimum bridge impedance 350 Ohms
Operating voltage 11 - 15Vdc
Bandwidth 1kHz low pass filter
Quiescent current (excluding bridge) < 5mA

OPTIONS

- Adjustable zero output

IN-LINE EXAMPLE

