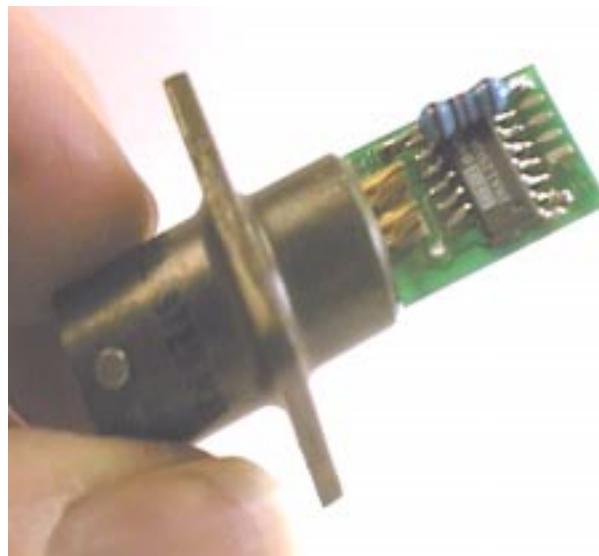


90291-90284

MINIATURE AMPLIFIER

These miniature, on-board, transducer amplifiers are capable of supplying excitation voltage and amplifying millivolt signals from strain gage based transducers.

Models 90291 (Bi-Polar) and 90284 (Uni-Polar) can be mounted to the back shell of many standard connectors. They may also be mounted inside transducer housings. Uses include interfacing sensors with PC cards, A/D boards, standard panel meters, and other instrumentation that have their own zero and scaling capability.



SPECIFICATIONS

90291 (Bi-Polar)	0 +/- 5 Vdc
	(Dimensions: 0.46 x 0.93 x 0.4 inches)
90284 (Uni-Polar)	2.5 Vdc +/- 2.5 Vdc
	(Dimensions: 0.46 x 0.60 x 0.4 inches)
Gain (Fixed)	4 to 1000 (resistor setable)
Zero offset (Sensor dependent, no separate control)
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 2.5 Vdc
Minimum bridge impedance 350 Ohms
Operating voltage 5 Vdc
Bandwidth >1 kHz for most gain settings
Quiescent current (excluding bridge) < 2.5 mA