

# STRAIN GAGE AMPLIFIER

The Techmor SG-1 Strain Gage Amplifier is an extremely compact, sealed amplifier unit, designed to condition strain gages, load cells, torque cells, and pressure sensors. The unit is available in several gain ranges from 70 to 1280, and features an offset to provide bi-directional measurement (tension-compression, 2-way torque, etc.). The SG-1 represents a drop-in solution for robust measurements of mVolt signals.

## Features

6-30V DC Power

0-5V Analog Output

Gain = 70-1280

Offset = 0.0 to 5.0V

Bandwidth 0 to 1kHz

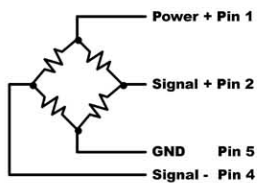
Rated from -40C to +125C

Electro-Magnetic Interference Filter

Deutsch Autosport Connectors

3ft. Cable with Oil and Fuel-Resistant Jacket

# SG-1



## Amplified Signal

1. Power V+
2. Signal +
3. NC
4. Signal -
5. GND

## Ordering Info:

**SG-1-\_\_\_\_\_ (ex. SG-1-400-0.2)**  
Gain=400, Offset=0.2V

**Gain: 70 to 1280 Offset (volts)**

## Standard models:

**SG-1-400-0.2**  
**SG-1-200-0.2**  
**SG-1-150-2.5**

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[www.techmor.com](http://www.techmor.com)

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