



TECHMOR

SG-1-A

STRAIN GAGE AMPLIFIER

ANALOG OUTPUT

USER MANUAL

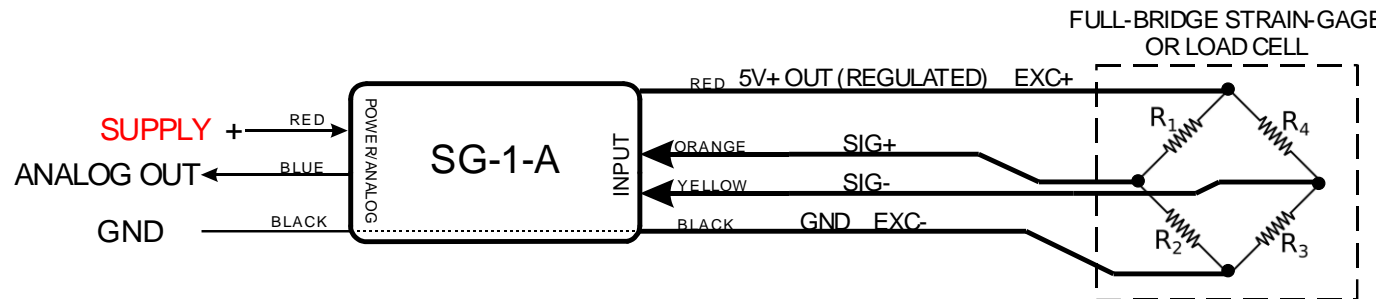
Rev. B 3/24/2026

Overview

The Techmor SG-1-A is a precision strain-gage amplifier with 0-5V ANALOG voltage output. The SG-1-A supplies a 5 volt excitation for the full-bridge strain-gage.

Connections

All connections to the SG-1-A are through the two multi-conductor cables on the enclosure.



Input

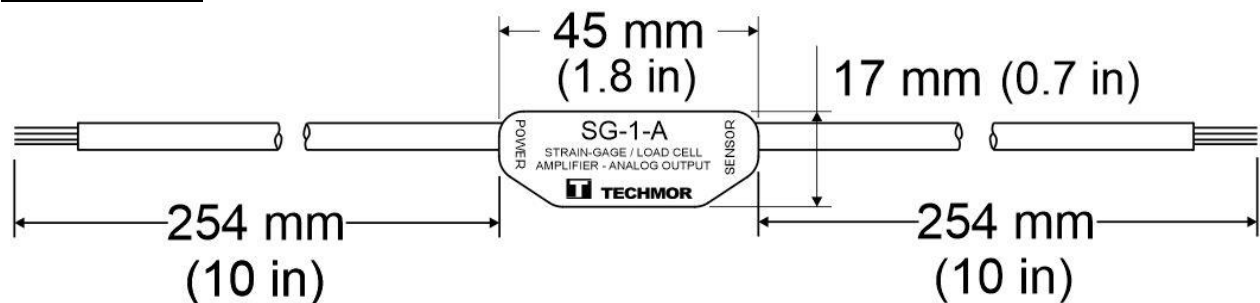
The SG-1-A accepts a full-bridge four-wire strain-gage or load cell input. The excitation and signal +/- inputs are accessed via the 4-conductor cable on the "Input" side of the enclosure.

Electrical

The SG-1-A can be supplied with 6-30V DC via the red and black wires on the 3-conductor cable on the "POWER" side of the enclosure.

Supply Voltage	6 - 30	V
Current (No Load)	50	mA
Excitation Voltage	5.0	V

Mechanical



Ordering and Contact Information

Ordering Information

SG-1-A

Company Information

Techmor, Inc. designs, markets, and sells advanced test and measurement equipment. Cornelius, North Carolina-based Techmor is the leader in innovation for aerospace, automotive and industrial systems.

Techmor, Inc.
11148 Treynorth Drive Suite A
Cornelius, NC 28031
Main: +1-704-769-0001
<http://www.techmor.com>
info@techmor.com

Support Information

For support on Techmor products, contact:
info@techmor.com +1-704-769-0001

The information contained in this document is proprietary and confidential, and property of Techmor, Inc. Any use of this information, without written consent of Techmor, Inc. is prohibited by law.