

Model Number  
**8162-011A**

# STRAIN GAGE SIGNAL CONDITIONER

Revision: A  
ECN #: 21976

**PERFORMANCE**

Output (Voltage)  
(Current)  
Frequency Range  
Electrical Filter Cutoff Frequency  
Input Signal (sensor sensitivity)

English  
±10 VDC  
4 to 20 mA  
0 to 1000 Hz  
100 Hz  
0.5 to 11 mV/V

SI  
±10 VDC  
4 to 20 mA  
0 to 1000 Hz  
100 Hz  
0.5 to 11 mV/V

[1]  
[2]  
[3]

**ENVIRONMENTAL**

Temperature Range  
Enclosure Rating

+32 to +158 °F  
NEMA 4x

0 to +70 °C  
IP66

**Electrical**

Power Required  
Excitation Current  
Excitation Voltage  
Offset Voltage (@min. gain)  
(@max. gain)

12 to 28 VDC  
60 mA  
10 VDC  
±50% of F.S.  
±70% of F.S.

12 to 28 VDC  
60 mA  
10 VDC  
±50% of F.S.  
±70% of F.S.

[1]

**PHYSICAL**

Connectors: Input  
Output  
Dimensions (l x w x h)

Screw terminals  
Screw terminals  
2.23 x 3.70 x 2.55 in

Screw terminals  
Screw terminals  
56.6 x 94.0 x 64.8 mm

**OPTIONAL VERSIONS**

Optional versions have identical specifications and accessories as listed for the standard model except where noted by the letter prefixes below. More than one option may be used.

-NONE-

**NOTES:**

- [1] Factory Adjustable
- [2] Filtered via 2-pole active filter.
- [3] User adjustable.

**SUPPLIED ACCESSORIES:**

None

All specifications are at room temperature unless otherwise specified.

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Date: <b>4-13-05</b>	Date: <b>4-14-05</b>	Date: <b>7/14/05</b>	Date: <b>4/15/05</b>	<b>23725</b>