Model UV-10 Bridge Based Sensor In-Line Amplifier

Order Code BE127

- Strain Gage Sensor Amplifier
- 18-32 VDC Supply Voltage
- NEMA 4 Housing
- Selectable Excitation Voltages
- +/-10 VDC 3 Wire Output

Dimensions

<table>
<thead>
<tr>
<th>Plastic</th>
<th>Aluminum</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.75 in.</td>
<td>3.0 in.</td>
</tr>
<tr>
<td>2.1 in.</td>
<td>2.5 in.</td>
</tr>
<tr>
<td>2.5 in.</td>
<td>5.0 in.</td>
</tr>
</tbody>
</table>

General

- Number of Channels: 1
- Case Material: Plastic or Painted Aluminum
- Mounting: Use #6 or #8 Screws

Environmental

- Temperature, Operating: 5° to 122° F
- Sealing: IP-66 or NEMA-4

Transducer Interface

- Transducer Type: Bridge based sensor
- Transducer Excitation: 3, 5 or 10 VDC @ 50 mA

Amplifier Characteristics

- Supply Voltage: 18-32 VDC
- Current Draw: 50 mA
- Frequency Response (-3db): DC to 5,000 Hz
- Zero Adjustment Range
  - Coarse: +/- 25%
  - Fine: +/- 10%
- Spand Adjustment Range: 1 - 20 mV/V
- Linearity: 0.02% of Full Scale
- Shunt Calibration: Solid state relay on board
- Output: +/- 10VDC
- Output Current: 2.5 mA
- Signal to Noise Ratio: 65 db
- DC Power Supply Rejection Ratio: > 110 db

Options

<table>
<thead>
<tr>
<th>2 Pole Active Filter</th>
<th>Built to Order</th>
<th>Built from Scratch</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Hz</td>
<td>50 Hz</td>
<td>User Specified</td>
</tr>
<tr>
<td>3 Hz</td>
<td>100 Hz</td>
<td></td>
</tr>
<tr>
<td>5 Hz</td>
<td>300 Hz</td>
<td></td>
</tr>
<tr>
<td>10 Hz</td>
<td>500 Hz</td>
<td></td>
</tr>
<tr>
<td>20 Hz</td>
<td>1,000 Hz</td>
<td></td>
</tr>
<tr>
<td>30 Hz</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Not RoHS Compliant

How to Order

The order code consists of the product model and the available filter setting.

Sample Code: BE127 [30 Hz]

Model Code [Filter Setting]