AiM pressure sensor 0-160 bar

AiM 0-160 bar pressure sensor is suitable for brake pressure reading, being able to read pressures up to 160 bars. The sensor is sold with two different threads, whose part number is:

- 0-160 bar M10 [X05PSA00160B10K]
- 0-160 bar 3/8 24 [X05PSA00160B38K]

Technical characteristics

- Supply: 8-16 V
- Accuracy: < +/- 0.5% FS (CLNH – combined non-linearity and hysteresis)
- Characterisation:
  - 500 mV/ 0 bar
  - 4500 mV/ 160 bar
- Consumption: < 10 mA
- Temperature working range: from -20°C to 135°C
- Sealing: IP66
- Housing: 316 stainless steel
- Weight: 30 g
- Cable length: 400 mm
- Thread: M10 – 3/8 24
Drawings and pinout

<table>
<thead>
<tr>
<th>Pin</th>
<th>Function</th>
<th>Cable color</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Analog signal</td>
<td>White</td>
</tr>
<tr>
<td>2</td>
<td>GND</td>
<td>Black</td>
</tr>
<tr>
<td>3</td>
<td>+Vb</td>
<td>Red</td>
</tr>
<tr>
<td>4</td>
<td>Not connected</td>
<td></td>
</tr>
</tbody>
</table>

Binder connector – Sensor side

Binder connector – Harness side
Extension cables

For this sensor connection, standard length extension cables are available, whose part number changes according to their length and to the product the sensor is to be connected to.

Extension cable for connection to:
- MXG/MXG 1.2/MXG 1.2 Strada
- MXS/MXS 1.2/MXS Strada/MXS 1.2 Strada
- MXP/MXP Strada
- MXL2
- MXm
- EVO5
- MXL Strada/Pista/Pro05

Part numbers:
- V02PCB05B - cable length: 500mm
- V02PCB10B - cable length: 1000mm
- V02PCB15B - cable length: 1500mm
- V02PCB20B - cable length: 2000mm
- V02PCB25B - cable length: 2500mm
- V02PCB30B - cable length: 3000mm

Extension cable for connection to:
- Channel Expansion
- EVO4
- EVO4S

Part numbers:
- V02PCB05BTXG - cable length: 500mm
- V02PCB10BTXG - cable length: 1000mm
- V02PCB15BTXG - cable length: 1500mm
- V02PCB20BTXG - cable length: 2000mm
- V02PCB25BTXG - cable length: 2500mm
- V02PCB30BTXG - cable length: 3000mm