AiM pressure sensor 0-5 bar

AiM 0-5bar pressure sensor is suitable for oil, fuel and water pressure reading, being able to read pressures up to 5 bars. The sensor is sold with two different threads, whose part number is:

- 0-5 bar M10 X05PSA00005B10K
- 0-5 bar 3/8 24 X05PSA00005B38K

Technical characteristics

- Supply: 8-16 V
- Accuracy: < +/- 0.5% FS (CLNH – combined non-linearity and hysteresis)
- Characterisation: 500 mV/ 0 bar, 4500 mV/ 5 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

**Binder connector – Sensor side**

1. Analog signal
2. GND
3. +Vb
4. Not connected

**Binder connector – Harness side**

1. White
2. Black
3. Red

**Table: Pin, Function, Cable color**

<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>
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