

## AiM pressure sensor 0-50 PSI absolute

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AiM 0-5bar absolute pressure sensor is suitable for manifold air pressure reading (MAP), being able to read depressions up to -14.5 PSI in relation with atmospheric pressure, additionally to absolute pressures up to 35.5 PSI.

The sensor **part number** is:

- 0-50 PSI absolute 1/8 NPT      **X05PSA00050P18AK**

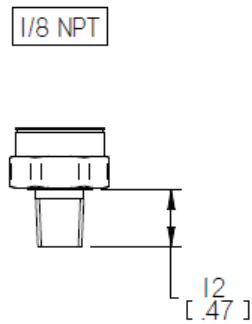
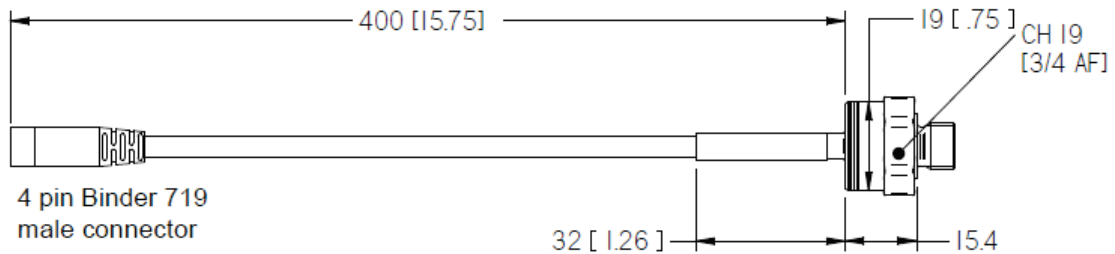


### Technical characteristics

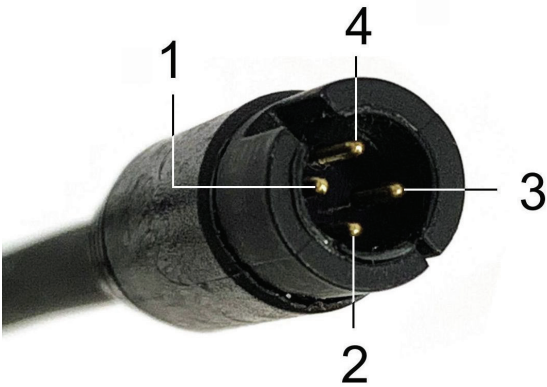
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Supply	8-16 V
Accuracy	< +/- 0.5% FS (CLNH – combined non-linearity and hysteresis)
Characterisation	500 mV/ -14.5 PSI 4500 mV/ 35.5 PSI
Consumption	< 10 mA
Temperature working range	from -20°C to 135°C
Sealing	IP66
Housing	316 stainless steel
Weight	30 g
Cable length	400 mm
Thread	1/8 NPT

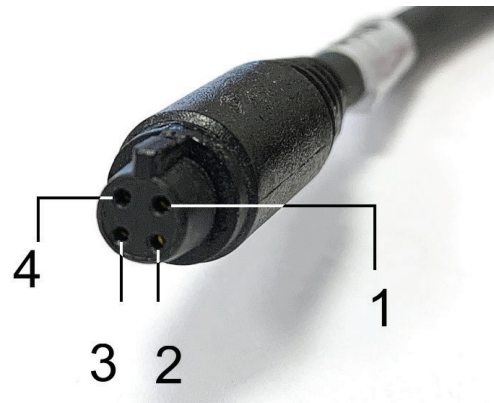
## Drawings and pinouts



**Binder connector – Sensor side**



**Binder connector – Harness side**



**Pin**

- 1
- 2
- 3
- 4

**Function**

- Analog signal
- GND
- +Vb
- Not connected

**Cable color**

- White
- Black
- Red

## Extension cables

For this sensor connector, 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

