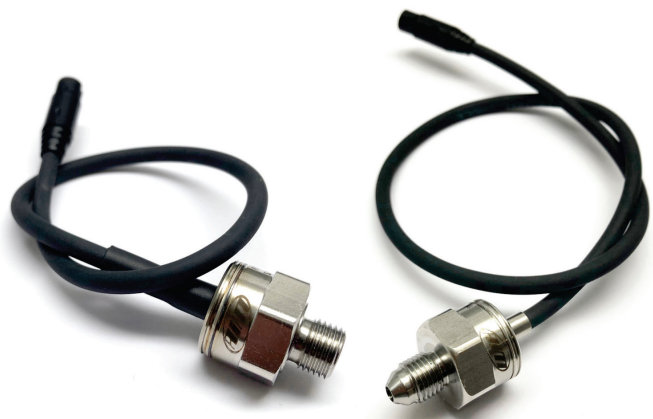


AiM Infotech

AiM Car Bike
pressure sensor 0-5 bar

Release 1.03





1 Introduction

AiM devices can sample and record oil fuel pressure using an AiM 0-5 bar pressure sensor. The sensor is available in two version whose **part numbers** are:

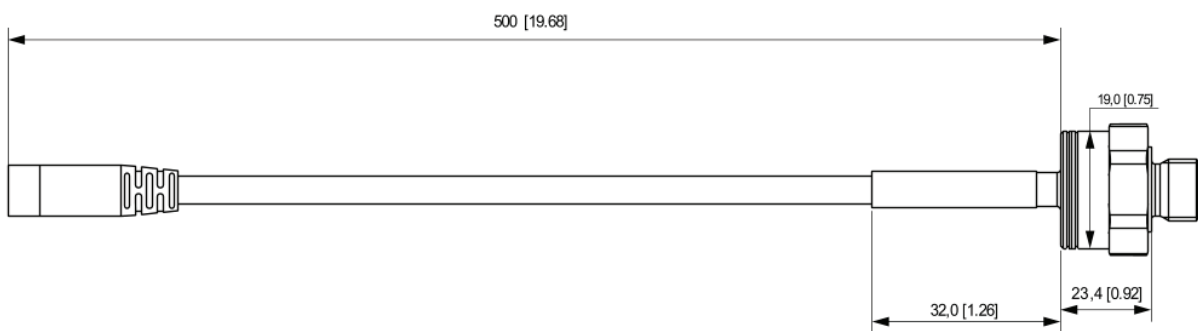
- Pressure sensor 0-5 bar M10 **X05PSA00005B10K**
- Pressure sensor 0-5 bar 3/8 24 **X05PSA00005B38K**

This sensor needs a careful installation. This is why AiM suggest to address to a specialized workshop.

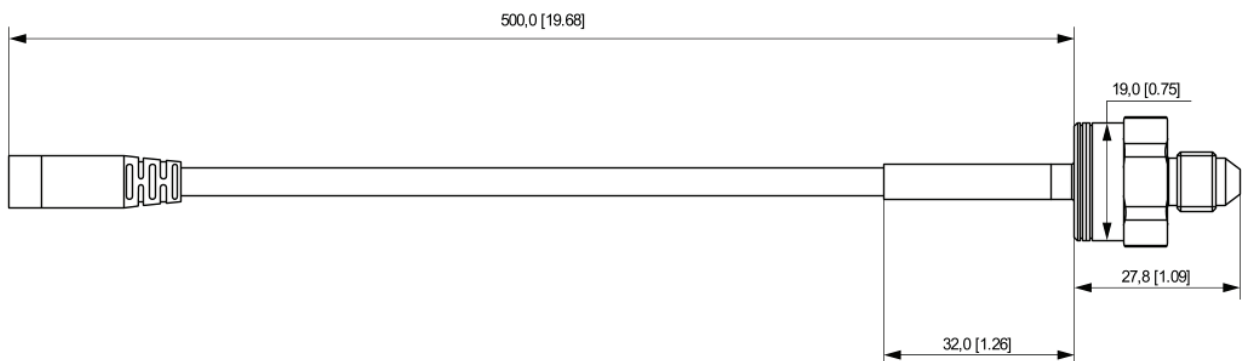
2

Dimensions, pinout and technical characteristics

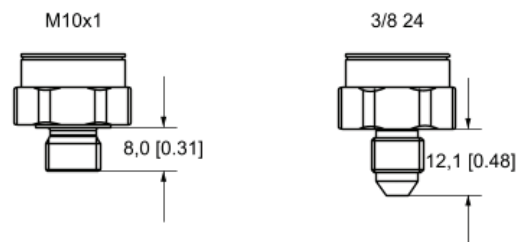
The drawing here below shows **M10** sensors dimensions in millimetres [inches].



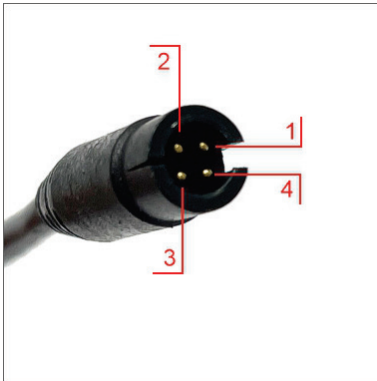
The drawing here below shows **3/8 24** sensors dimensions in millimetres [inches].



The drawing on the right shows the detail of the sensor dimensions in mm [inches].



The sensor end with a 4 pins Binder 719 male connector. Here below the connector view – sensor side on the left and device side on the right – are shown; while in the following table is connector pinout.



Pin	Function	Cable colour
1	Analog signal	White
2	GND	Black
3	+Vb	Red
4	Not connected	

The table here below shows the sensor electrical characteristics.

Technical characteristics	Value
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
Waterproof	IP66
Housing	316 stainless steel
Weight	30 g
Cable length	500 mm
Available threads	M10 3/8 24

3

Extension cables

The sensor is sold with a 50 cm cable. 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 with:

- MXG 1.2/MXP/MXS 1.2
- MXG/MXL2/MXS
- MXG 1.2 Strada/MXP Strada/MXS 1.2 Strada
- MXS Strada
- 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 with:

- 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

