AiM Infotech

Turbo pressure sensor
from -1 to 3 bar

Release 1.01

1
Introduction

This datasheet explains how to use turbo pressure sensor from -1 to 3 bar.
This sensor **part number** is:
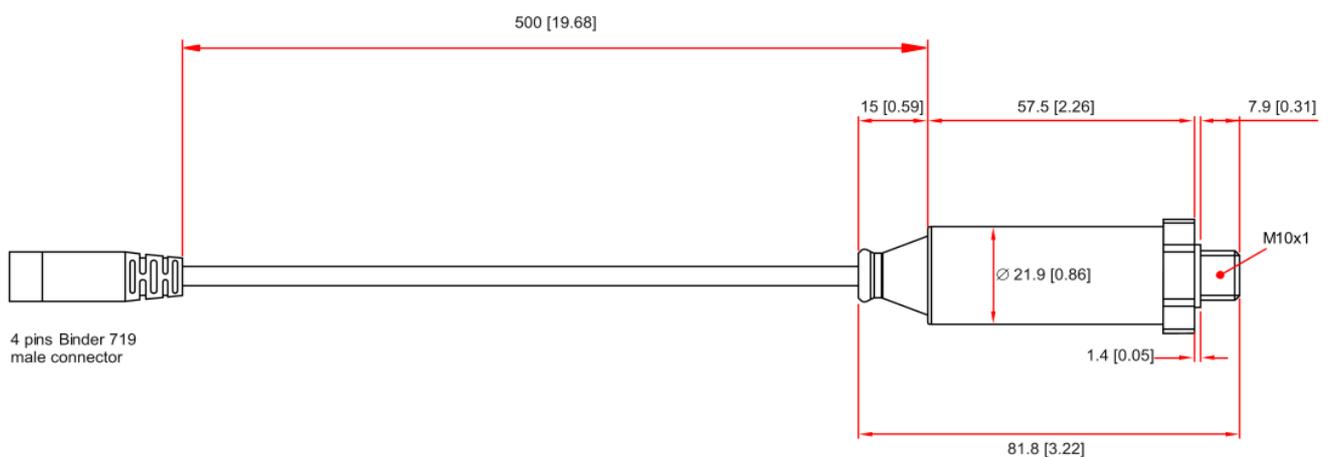
- from -1 to 3 bar pressure sensor   **X05SNP31004A**
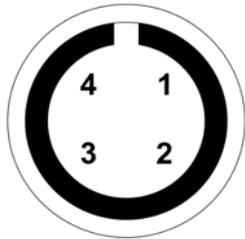
It fits the measurement of turbo pressure and needs a careful installation. This is why AiM suggests to address to a specialized workshop.

2
Dimensions, pinout and technical characteristics

The drawing here below shows the sensor dimensions in millimetres [inches].

The sensor ends with a 4 pins Binder 719 male connector. The image here below shows the connector pinout from solder termination view.

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

The table here below shows the sensor technical characteristics.

Technical characteristics	Values
Pressure Type	Relative
Output signal	1-5 V
Accuracy	<+/1 0.5%
Temperature working range	from -40° to 125°C
Sensor electrical range	1000 Mv/-1Bar 5000Mv/3Bar
sealing	IP66
Excitation	10-32 VDC; 1-5 V
Consumption	<10 mA
Housing	304 stainless steel
Weight	60g
Sensor thread	M10*1
Cable length	50 mm

3
Extension cables

The sensor is sold with a 50 cm cable. Standard and custom length extension cable are available; standard lengths are: 0,5 m, 1m e 1,5 m.

Product part number changes according to their length and to the product the sensor is to be connected to.

Extension cable for connection to:
• MXG
• MXS
• MXL2
• EVO5
• MXS Strada
• MXL Strada/Pista/Pro05

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