

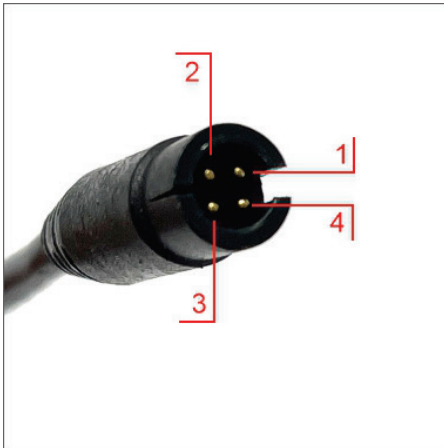
AiM Infotech

AiM 0-300 PSI
pressure sensor

Release 1.02



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.



Binder connector pin	Function	Cable colour
1	Pressure signal 1-5V	White
2	GND	Black
3	Power 8-16V	Red
4	Not connected	-

The table here below shows the sensor technical characteristics.

Technical characteristics	Value
Supply	8-16 V
Accuracy	< +/- 0.5% FS (CLNH – combined non-linearity and hysteresis)
Output signal	from 0.5 V to 4.5 V
Characterisation	500 mV/ 0 PSI 4500 mV/ 300 PSI
Consumption	< 10 mA
Temperature working range	from -20°C to 135°C
Sealing	IP66
Housing	316 stainless steel
Weight	30 g
Cable length	500 mm
Thread	1/8 NPT

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Extension cables

The sensor is sold with a 50 cm cable. Standard lengths extension cables are available as optional and their part numbers change according to their length and to the device the sensor is to be connected to.

Extension cable for connection with:

- MXS 1.2/MXP/MXG 1.2
- MXS 1.2 Strada/MXP Strada/MXG 1.2 Strada
- MXS/MXL2/MXG
- MXS Strada
- MXm
- EVO5

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

