



Mod. **BAR**

Atmospheric Pressure Sensor

Highlighted specs

- High precision Atmospheric Pressure Sensor
- Limited dimensions and weight
- Measure with piezo-resistive transducer
- Compact IP65 box
- WMO standards compliant
- Accuracy 0.4 mb (hPa) @ 20°
- Available with various signal output
- According to **CE** norms

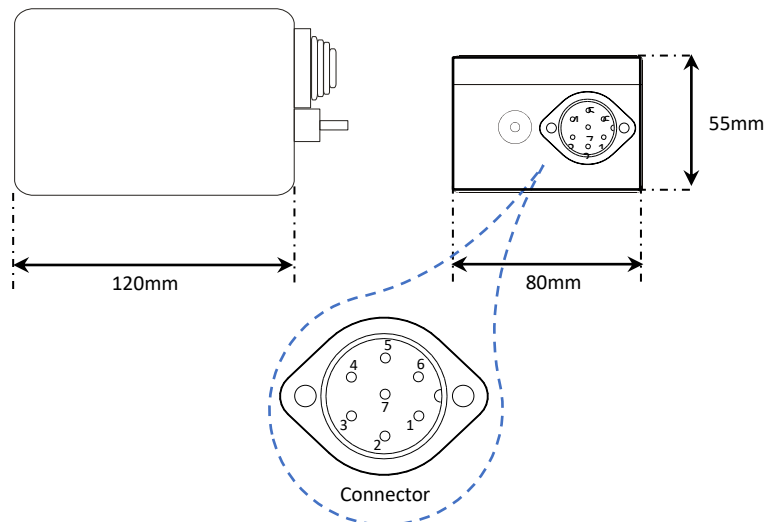
The sensor for the measure of atmospheric pressure mod. BAR, is an **electronic barometer with analogic or digital output** which can easily acquired by any datalogger. The **low consumption** (standard <22mA) and the compact dimensions, make it an **ideal instrument for all acquisition systems** and campaigns of measure with **meteorological stations**. Its shape, with reduced dimensions, allows an **easy installation** in both outdoor (IP65 box) and indoor locals. This sensor is built according to the **WMO standards** (World Meteorological Organization).

The sensor is available with output **0÷2Vdc, 4÷20mA or RS485/Modbus**.

Typical range	800 ÷ 1100 hPa (500÷1100 or other on request)
Sensibility	0.05 hPa
Accuracy	<0.4 hPa @ 20°C
Type of transducer	Piezo-resistive transducer
Response time	< 2 s
Signal output	0÷2Vdc; 4-20mA; Digital RS485/Modbus
Working conditions	-40 ÷ +60°C (-60 ÷ +80°C available)
Protections	Polarity reverse and transient
Box	Plastic box IP65
Power Supply and consumption	10÷30Vdc, <0,1W
Weight	270g

Size and connections

Pin	BAR-A	BAR-B	BAR-C
1	--	--	--
2	Out +	Out +	RS485 A
3	Out -	Out -	RS485 B
4	Gnd	Gnd	Gnd
5	Vdc(10÷28V)	Vdc(10÷28V)	12 Vdc
6	--	--	--
7	--	--	--



Order Code

Sensor	Atmospheric Pressure Sensor	BAR			
Output	0÷2Vdc 4÷20mA RS485 / Modbus	A B C			
Accessories	CS05 – Cable 5m sensor-datalogger CS10 – Cable 10m sensor-datalogger CSxx – Cable xx* m length, sensor-datalogger – to be specified at order SSU – Sensor support L=700-750mm (only for outdoor use)		05 10 xx		SSU

*specify the length for no standard measures

example of order code

BAR B 10 SSU