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Mod. e-BAR

Pressure Sensor option inside the Evolution datalogger

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Highlighted specs

- High precision Atmospheric pressure Sensor
- Integrated into Evolution datalogger
- Measurement with piezo-resistive transducer
- It doesn't require any maintenance
- Accuracy 0.4 mb (hPa) @ 20°
- According to CE norms

The sensor for measuring atmospheric pressure **e-Bar,** is an **option that can be activated in the Evolution datalogger.** Being an instrument **mounted inside the electronics of the datalogger**, it doesn't use physical Logger channels, which therefore maintains its potential in terms of connections to external sensors. Working in a controlled environment (inside the Logger), it allows to obtain excellent performance in terms of measurement accuracy and temperature stability. It is configurable by Logger for range and correction. Having a very low consumption (<0.5mA) it doesn't change the consumption of the datalogger and becomes a perfect solution for **meteorological monitoring applications, climate and environmental monitoring systems.**

Typical range	500 ÷ 1100 hPa (possible to set by datalogger interface)
Sensibility	0.05 hPa
Accuracy	<0.4 hPa @ 20°C
Response time	< 2 sec
Type of transducer	Piezo-resistive transducer
Working conditions	-40 ÷ +70°C
Power Supply and consumption	10.5÷24Vdc, <0,01W

Order Code

It has to be ordered as an option of the "Evolution" Datalogger. It doesn't reduce the number of analog inputs of datalogger because is an integrated device (built in). The datalogger automatically compensate the temperature and permits to have a god accuracy in measure with a low-cost solution, compared with many external sensors.
When the single stand-alone sensor is not mandatory, this is the best choice to improve the performance of the whole monitoring system
This option can be activated only in factory (require calibration) and during the dataloggers manufacturing. It is not possible to activate this option after.
The code for ordering this option is: **e-Bar**

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