# BAROMETER BA20

The barometer is a fully electronic sensor built to measure environmental pressure.

The analysis of the obtained data is used to predict the development of weather conditions. Pressure is one of the most significant parameters for the forecasting of meteorological events, as well to predict as air mass propagation and pollution flows.

## TECHNOLOGY AND FUNCTIONING

The CAE barometer is able to supply reliable and realistic data regardless to fluctuation of atmospheric flows occurring during the monitoring. Its main features are: high reactivity and repeatability, insensitivity to vibrations and accuracy of measurement, granted by a software able to compensate the altitude and temperature variations which may affect the measurement.


To grant stability and accuracy, the sensor, extremely reduced in size, is installed inside the same SPM20 container, together with the electronic components of the sensor whose task is cleaning the signal and translate it into readable data.




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## TECHNICAL SPECIFICATIONS

- Measurement field 600 ÷ 1100 hPa
- Accuracy: ± 0.5 hPa between -10 and +50 °C (on demand the model with accuracy ± 0.3 hPa)
- Sensitivity: plus 0.1 hPa
- Resolution: 0,1 hPa
- Working temperature: -40 ÷ +60 °C
- Size: 60 x 60 x 29 mm
- Weight: 125 g



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