

# BAROMETER PBS

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.

## TECNOLOGY AND FUNCTIONING

CAE barometer, PBS, provides measures barometric accurate and stable in all conditions.

The PBS uses proven technology of silicon sensors with signal compensation microprocessor, eliminating the need to isolate or regulate temperature in the barometer.

The PBS also has a very wide pressure range which can be configured to work from 0 to 2000 hPa.

## TECHNICAL SPECIFICATIONS

- Measurement field: 0 ÷ 2000 hPa (limited range upon request)
- Accuracy:  $\pm 0.02\%$  FS
- Long-term stability :  $\pm 50$  ppm FS/Year
- Working temperature:  $-40 \div +85$  °C
- Size: 100 mm, diameter 25 mm.

All dimensions are nominal lengths and are subject to change.

