

BaroDB[®]

Barometer





APPLICATIONS



Hydrology



Meteorology



Agrometeorology



Sun



Wind

OVERVIEW

BaroDB[®] has three types of output: Analog voltage and Digital RS-485 and SDI-12. With optimized metrological characteristics, it has good accuracy and stability over time. It has low power consumption, is compact and very easy to use.

SPECIFICATIONS

Measurement Range⁽¹⁾

600 to 1100 hPa

Resolution

0,01 hPa

Temperature operating range

-40 to 80 °C

Compensated temperature range

-10 to 80 °C

Humidity operating range

0 to 100 % RH non-condensing

Maximum accuracy⁽²⁾

± 0,05 % F.E. @ +10 to 40°C

± 0,1 % F.E. @ - 40 to 80°C

± 0,5 hPa @ 20°C

Hysteresis

0,05 hPa

Long-Term Stability

± 0,1 hPa per year

Supply Voltage

8 to 28 Vcc

Consumption

8 mA (max.)

Digital Output⁽³⁾

RS-485 and SDI-12

Analog Output

0 to 2,5 V or 0 to 5 V

Units

hPa/mbar(standard), bar, kPa, inHg, atm, mmHg and psi.

Weight

145 g

NOTE: 1 - Available in other ranges; 2 - Range factor k=2 for a confidence level of 95%;
3 - It has 3 output interfaces, but it is not possible to use RS-485 and SDI-12 simultaneously;

PRODUCT DETAILS

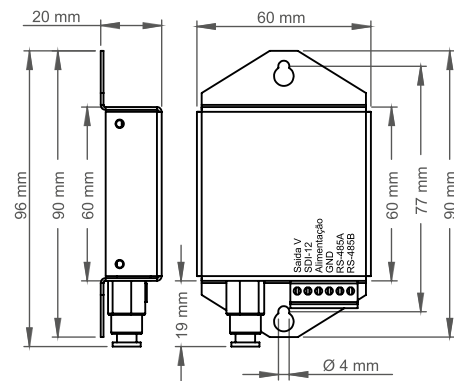
- Piezoresistive sensor with temperature compensation;
- Aluminum case;
- Long-term stability;
- Analog and digital signal outputs, which increase flexibility to use in multiple applications;

- **BaroDB-E[®]**: Available in special versions. To order please contact us.



Features may change without prior notice. Mar/2019

DIMENSIONS



MANUFACTURER



Manufacturer: Dualbase Tecnologia Eletrônica LTDA.

Brand: Dualbase

Model: BaroDB[®]

Type: Barometer

REPRESENTATIVE