

MultisensDB-PTU

Pressure • Temperature • Humidity



MultiSensDB-PTU

Atmospheric Pressure - Temperature - Relative Humidity



SPECIFICATIONS

Measurement Range

Temperature: -40 to 80 °C
Humidity: 0 to 100% UR
Pressure: 600 to 1100 hPa⁽¹⁾

Maximum accuracy⁽²⁾

Pressure:
± 0,05 % F.E. @ +10 to 40°C
± 0,1 % F.E. @ -40 to 80°C
± 0,5 hPa @ 20 °C

Temperature:

± 0,1 °C @ 25 °C
± 0,2 °C @ 5 to 40 °C
± 0,3 °C @ -40 to 80 °C

Humidity @ 25 °C:

± 1,8% @ 10 to 90% UR
± 3% @ 0 to 100% UR

Resolution

Temperature: 0,01 °C
Humidity: 0,01% UR
Pressure: 0,01 hPa

Supply Voltage

8 to 28 Vcc

Consumption

1 mA - standy-by
8 mA - in measurement (100 ms)

Output

SDI-12

Protection

IP67 (except the sensor)

NOTE: 1 - Available in other ranges; 2 - Range factor k=2 to a confidence level of 95%.

- MultiSensDB-PTU-E: Available in special versions. To order please contact us.



Features may change without prior notice. Mar/2019

MANUFACTURER



Manufacturer: Dualbase Tecnologia Eletrônica LTDA.
Brand: Dualbase
Model: MultiSensDB-PTU
Type: Combined Pressure, Humidity and Temperature sensor

APPLICATIONS



Hydrology



Meteorology



Agrometeorology



Sun



Wind

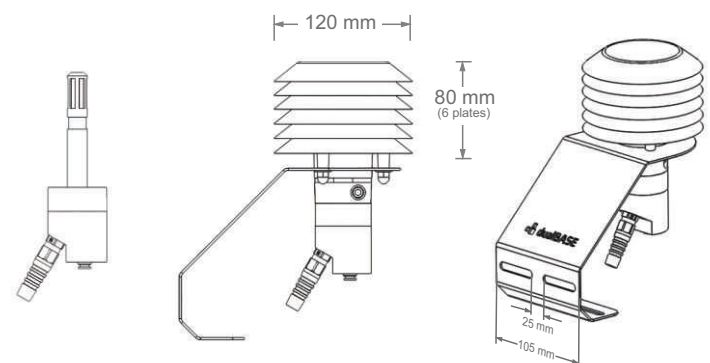
OVERVIEW

The **MultiSensDB-PTU** is a set of sensors integrated in a single instrument, simultaneously measuring the atmospheric pressure, temperature and relative humidity, with a SDI-12 output signal

PRODUCT DETAILS

- Sintered polymer filter;
- Polyurethane cable with UV filter and Kevlar;
- Structure designed to allow adequate ventilation and good protection of the sensors against rainfall and direct radiation;
- High-performance polymer (ABS) dishes that ensure low thermal inertia, low deterioration by UV radiation and low adherence of water;
- Integrated solution makes it easy to use in the field.

DIMENSIONS



REPRESENTATIVE