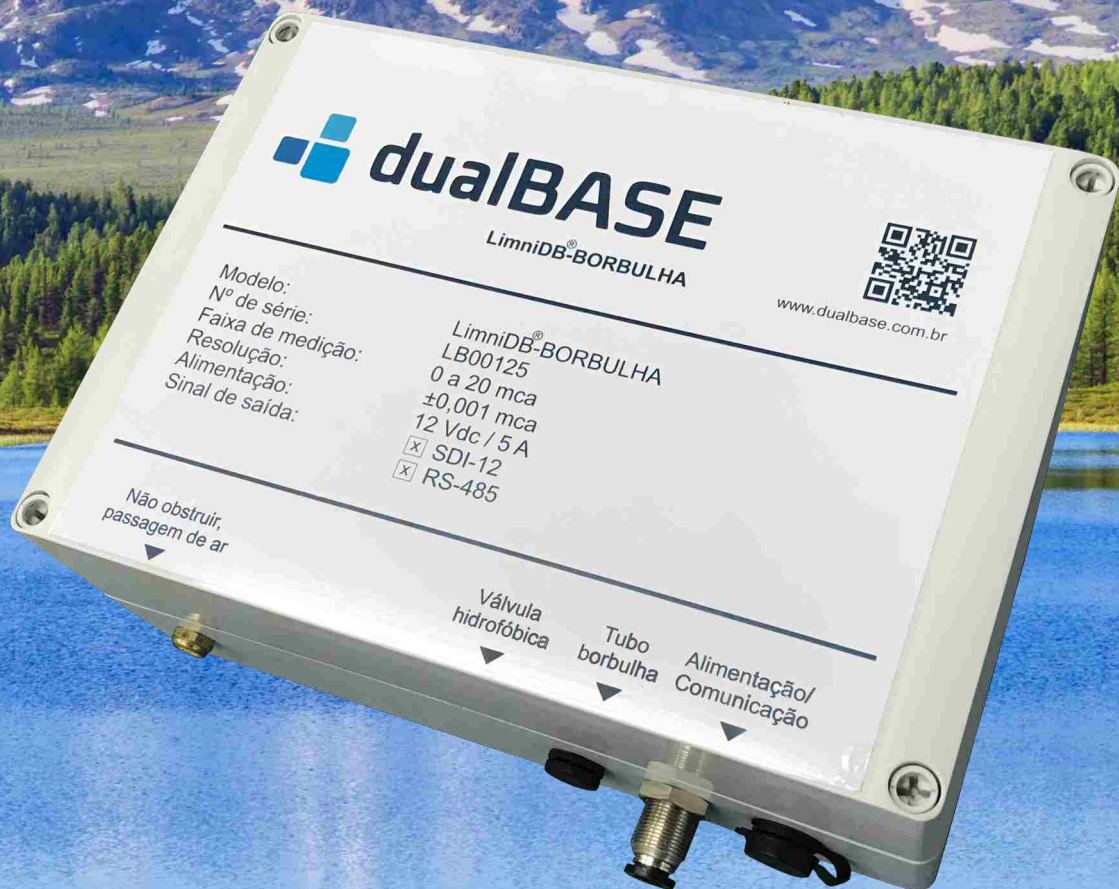


LimniDB[®]-BORBULHA

Water level Bubbler Sensor



LimniDB[®]-BORBULHA



Bubbler water level sensor



APPLICATIONS



Hydrologia



Meteorologia



Agro-meteorologia



Sol



Vento

OVERVIEW

The **LimniDB-BORBULHA** is a [®]bubbler sensor, a robust and reliable technology for monitoring the water level of superficial waters. It has a very strong air compressor, capable of create up to 5 bar of air pressure inside a hose, and it measures the reaction pressure of the water over the hose.

SPECIFICATIONS

Measurement Range⁽¹⁾

0 a 20 mca (metro de coluna d'água)

Resolution

0,001 mH2O (meters of water)

Operating Temperature Range

-40 a 80 °C

Temperature Compensation

-10 a 60 °C

Accuracy

± 0,05 % F.S. @ +10 a 40°C

± 0,1 % F.S. @ - 40 a 80°C

Power Supply

11 a 15Vcc / 2A

Operating principle

Pneumatic air compressor

Digital Output

SDI-12 and RS-485

Units

cmH2O (centimeters of water), mH2O, feet (ft), mBar e PSI.

IP Rating

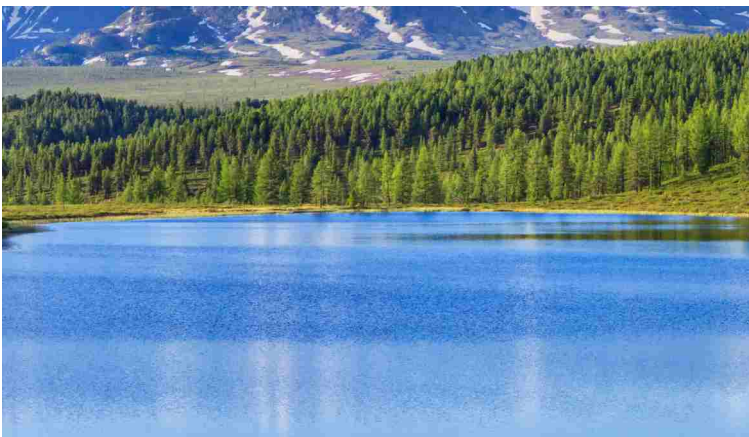
IP65

PRODUCT DETAILS

- SDI-12 and RS-485 output signals;
- Air pressure sensor for water level measuring using an air compressor injecting air inside a hose;
- Integrated high efficient mini compressor;
- Power source and comms under a single connector
- Flexible hose lenght for more distance between the sensor and the water

NOTE: 1 - Available in other ranges; 2 - Range factor k=2 to a confidence level of 95%;
3 - It can be supplied with SDI-12 digital output upon request, but it is not possible to use RS-485 and SDI-12 simultaneously

- **LimniDB[®]-BORBULHA-E:** Available in special vesions. Contact us.



Features may change without prior notice. Mar/2019

MANUFACTURER



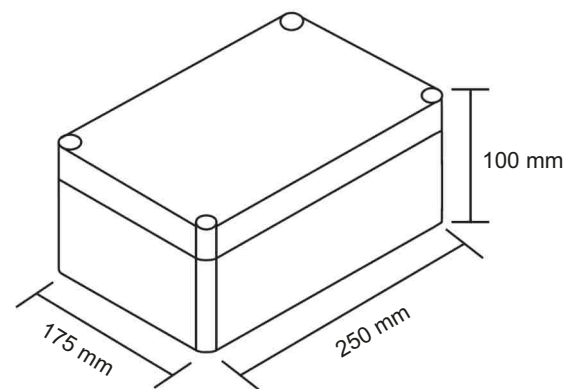
Manufacturer: Dualbase Tecnologia Eletrônica LTDA.

Brand: Dualbase

Model: LimniDB[®]-Borbulha

Type: Capacitive Pressure Transmitter for Level Measurements

DIMENSIONS



REPRESENTATIVE