

DBHidro

Hydrological Station

ADPS

Atmospheric Discharge Protection System

POWER SUPPLY

The DCP is powered by solar energy.

WEATHER-PROOF ENCLOSURE

Protects DCP elements such as: datalogger, battery and transmitter.

TELEMETRY

GPRS/3G, SATELLITE or Others.

(Antenna EON)

WATER LEVEL RULER

Water level visual measurement instrument.

(LimniDB-REG)

RAIN GAUGE

Precipitation Sensors

(PluviDB)

WATER-LEVEL RECORDING SENSOR

Submersible hydrostatic pressure sensor.

LimniDB
LimniDB-CAP



Hydrological Station



It can be configured as pluviometric, limnimetric, fluviometric and / or of water quality, according to the sensors chosen to compose the hydrological station;
Robust but lightweight structure completely detachable, easy to transport and of simple installation.

PRODUCT DETAILS



DCP

The entire structure of the data collection platform and its supports are made of anodized aluminum. The enclosure is made of fiberglass strengthened with polyester, it has overhead protection against thermal factors and acts of vandalism. It also provides a table to aid when using a notebook.



Other models of dataloggers are possible, if needed.

DATALOGGER

It has 30 MB of internal memory for data storage, direct connection to PC through a USB or RS-232 port, 6 ports for analog sensors and 2 ports for communication with digital sensors. 12V of supply voltage and low power consumption, extremely adaptable and useful in various functions. Compatible with different telemetries.



Other technologies available, such as radio, optical fiber, ethernet, Wi-Fi, etc.

TELEMETRY

GPRS/3G - It has its own transmission and reception system with a dedicated server. Intelligent system that guarantees the data delivery.

SATELLITE - It compresses the transmitted data to reduce the cost of traffic and quality in the transmission signal.



POWER SUPPLY

The data collection platform is powered by solar energy. It can also be powered by a charge controller and batteries of 7, 12, 18 Ah or as required.

Features may change without prior notice. Mar/2019

SENSORS



PIEZORESISTIVE WATER⁽¹⁾ LEVEL SENSOR

Submersible absolute or relative hydrostatic pressure sensor

Measuring range:
0 to 20 mH₂O

Accuracy:
± 0,1% of F.S

Communication:
SDI-12, 4-20 mA and RS-485



CAPACITIVE WATER⁽¹⁾ LEVEL SENSOR

Submersible absolute or relative hydrostatic pressure sensor

Measuring range:
0 to 20 mH₂O

Accuracy:
± 0,1% of F.S

Communication:
4-20 mA and RS-485



RADAR SENSOR⁽¹⁾

Measuring range:
8, 15 or 35 m
Maximum accuracy:
± 0,002 mH₂O
Communication:
4-20 mA, RS485 and SDI-12



RAIN GAUGE

Tipping Bucket Rain Gauge

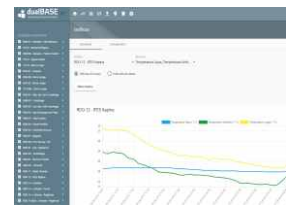
Measuring range:
0 to 500 mm/h

Maximum accuracy:
± 3%

Bucket orifice opening:
314 cm²

Resolution:
0,2mm

TELEMETRY



PCDWeb

PCDWeb - Telemetry service and data available in real time.

1 - Available with other technologies such as float and counter weight and ultrasound. Also available in other measuring ranges.

2 - The number of sensors on the station can be increased according to the user needs. Contact us

MANUFACTURER



Manufacturer: Dualbase Tecnologia Eletrônica LTDA.

Brand: Dualbase

Model: DBHidro-01

Type: Hydrological Station

REPRESENTATIVE