

# PluviDB-SMART<sup>®</sup>

Smart Rain Gauge



 **dualBASE**<sup>®</sup>  
decoding the environment



Hydrology



Meteorology



Agrometeorology



Sun



Wind





# PluviDB-SMART®

Rain gauge sensor with digital processing system



## APPLICATIONS



Hydrology



Meteorology



Agrometeorology



Sun



Wind

## OVERVIEW

The **PluviDB-SMART** has a microcontrolled system, that executes measurements accurately, is easy to operate, offers SDI-12 digital output signal and provides failure notifications that facilitates its maintenance.

## SPECIFICATIONS

### Capacity

0 to 500 mm/h

### Resolution<sup>(1)</sup>

0,2 mm

### Operating Range

-20 to 70 °C | 0 to 100% UR

### Maximum accuracy<sup>(2)</sup>

± 2% @ 0 to 250 mm/h

± 3% @ 250 to 500 mm/h

### Leveling system

Electronic with digital indicator and bubble level

### Bucket orifice opening<sup>(3)</sup>

314 cm<sup>2</sup>

### Funnel Collector Diameter<sup>(3)</sup>

200 ± 0,5 mm

### Cable Length<sup>(4)</sup>

5,0 m (standard)

### Output signal

SDI-12

## PRODUCT DETAILS

- Sends warning of possible clogging;
- Sends warning of possible tipping bucket mechanical locking;
- Sends warning of mechanical vibration;
- Sends warning of unevenness;
- SDI-12 digital output signal;
- Electronic level with LED indicator and bubble level;
- With flow regulator device;
- Ideal for large monitoring networks;

**NOTE:** 1 - Can be supplied with different resolution; 2 - Range factor k=2 to a confidence level of 95%;  
3 - Can be supplied with different measurements; 4 - Can be supplied with different cable lengths.

**PATENT REQUIRED**

- **PluviDB-SMART-E:** Available in special versions. To order please contact us.



Ideal for use in monitoring networks, operating in real-time.

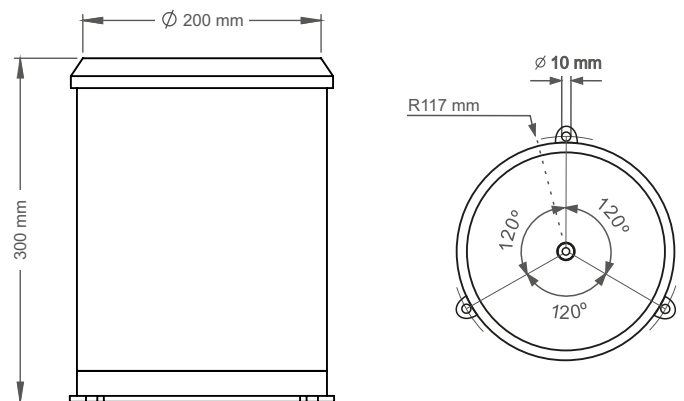
Features may change without prior notice. Mar/2019

## MANUFACTURER



**Manufacturer:** Dualbase Tecnologia Eletrônica LTDA.  
**Brand:** Dualbase  
**Model:** PluviDB-SMART  
**Type:** Rain gauge sensor with digital processing system

## DIMENSIONS



## REPRESENTATIVE