

# Climagro Platypus

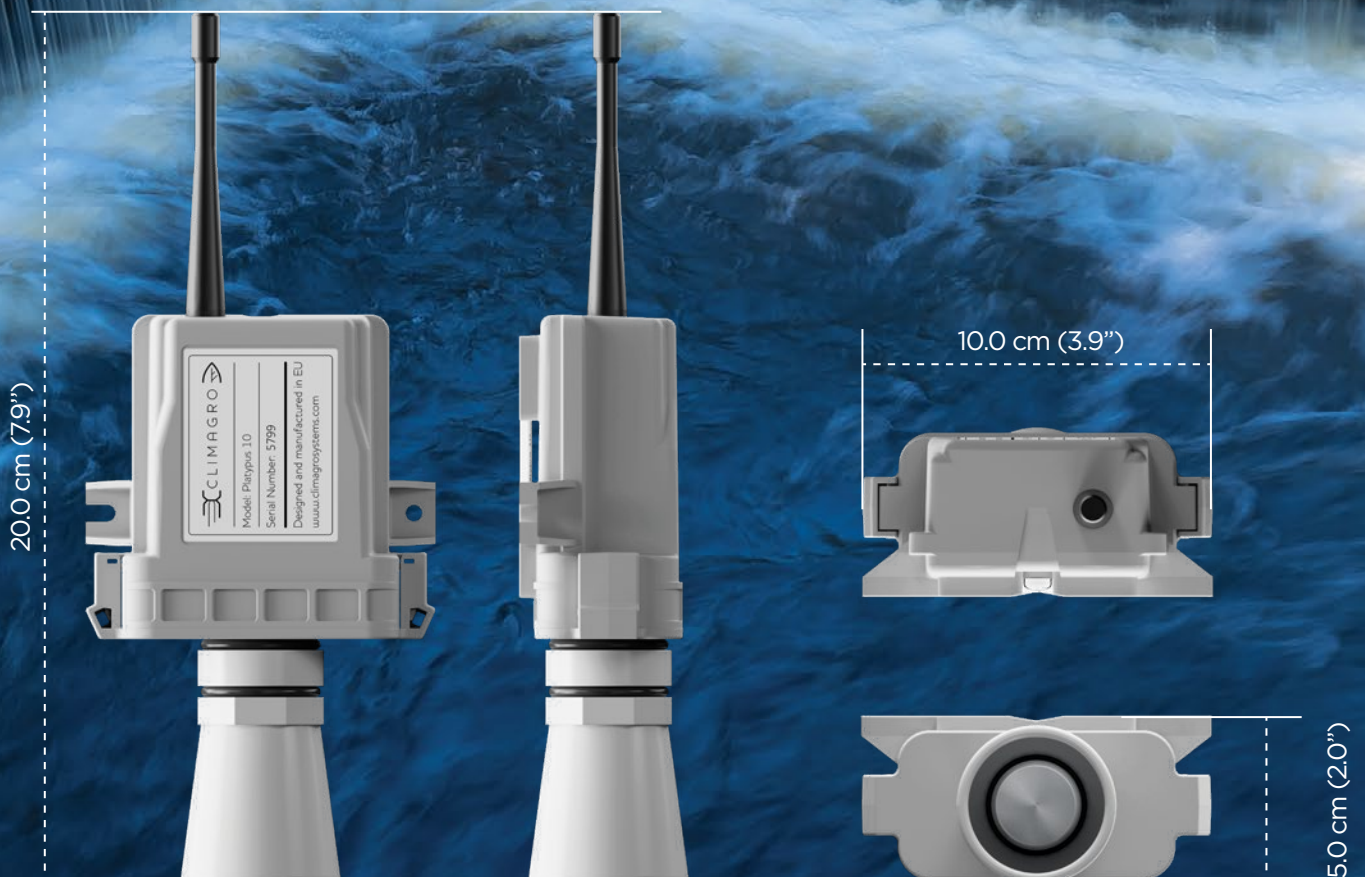


## Features

- **Ultra-low power consumption**
- Connectivity over **LoRaWAN (free of charge)** or NB-IoT
- Compact and Rugged **IP76 enclosure**
- Internal cable routing to **prevent mechanical abuse, UV exposure, and rodent damage**
- **Easy handling, high portability,** and easy calibration due to its small size
- **Easy assembly and installation**
- **Low maintenance costs**
- Can be mounted **on existing infrastructure**
- Fully customized; **optional sensors are available**
- Compatible with the **Nimbus™ online software** for system and data management

## Typical applications

- **River level** measurement
- **Tank level** measurement
- **Weather** station monitoring
- **Bin level** measurement
- **Proximity zone** detection
- Precision **agriculture, irrigation**
- **Wastewater treatment** system
- **Smart cities**





# Technical specifications

## Measurement Performance



### Level measurement

Measurement range

0.3m...1.5, 0.3m...5, or  
0.5m...10m

Accuracy

± 1 %

## Optional sensors



### Air Temperature and Relative Humidity sensor

Temp. measurement range -40...80°C, (-40...176°F)

Accuracy

± 0.1°C

RH measurement range

0...100%

Accuracy

± 2%



### Precipitation

Accuracy

±2% up to 25 mm/h

## Operating Environment



Temperature

-50...65°C, (-58...150°F)

Storage (shelf life)

4 years at 25°C



### Power supply

Power source

Li-SOCl<sub>2</sub> Battery or  
solar panel with  
internal power storage



### Connectivity

Type

LoraWAN, NB-IoT

Range

Up to 30 km;  
dependent on antenna type,  
terrain, and sample rate  
CE, FCC

Compliance

## Dimensions



Height: 20.0 cm (7.9")

Width: 10.0 cm (3.9")

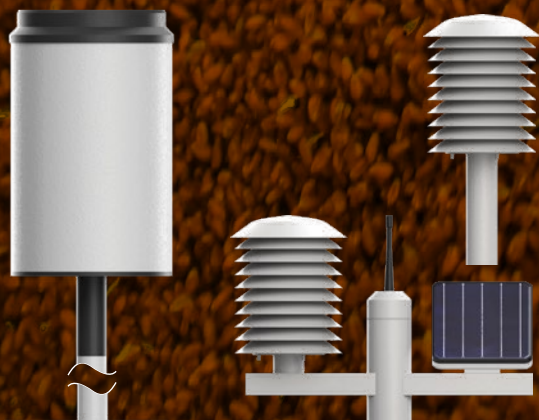
Depth: 5.0 cm (2.0")

## Mechanical Specification

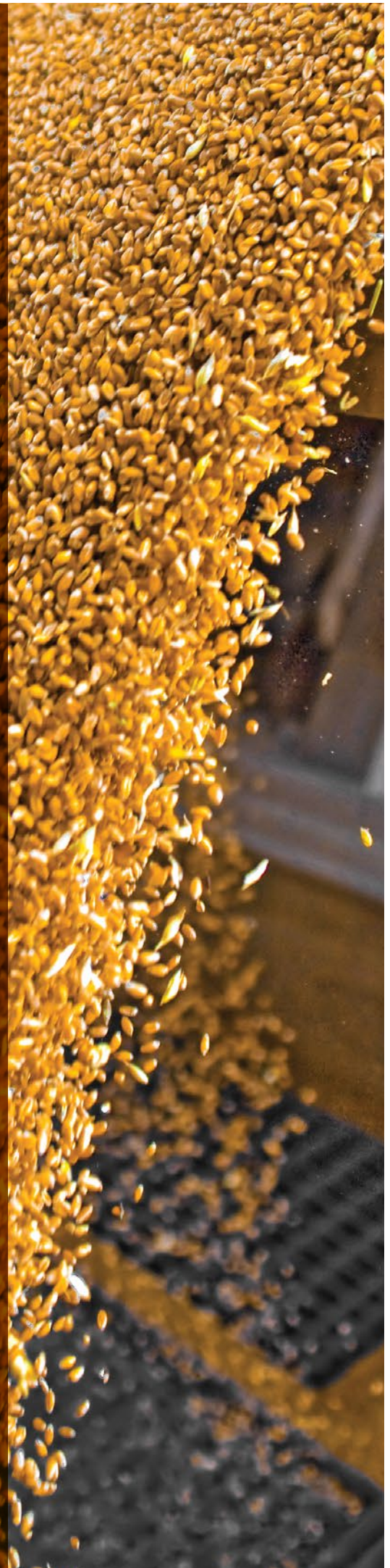


Weight 300g (0.66 lbs.)

Rugged, UV resistant polycarbonate enclosure



Wide range of  
additional sensors  
is available





The CLIMAGRO\_Platypus is a low-power range-finding device. The ultrasonic sensor detects objects from 0.3 m to 1.5 meters, 5 meters, or 10 meters. With IP67 degree of protection and rugged, UV resistant enclosure, Platypus is a cost-effective device for use in harsh environments.

Designed and manufactured in Europe.

