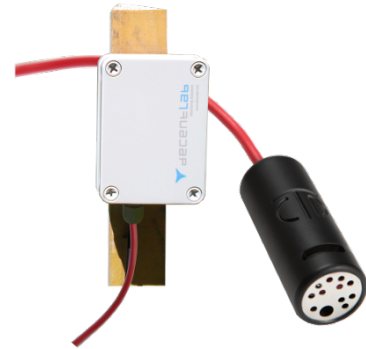




LoRaWAN Sensor Device

Water Level, Electrical Conductivity and Temperature

CTD-10



Sensors

Range

Water Depth: 0 to 10 m

Electrical Conductivity: 0 to 120 dS/m

Temperature: -11 to 49°C

Resolution

Water Depth: 2 mm

Electrical Conductivity: 0.001 dS/m

Temperature: 0.1°C

Accuracy

Water Depth: + 0.05% of full scale @ 20°C

Electrical Conductivity: + 0.01 dS/m or + 10%
(whichever is greater)

Temperature: + 1°C

Supply

Internal battery 2 x C-type

Integrated sensor supply

LoRaWAN specifics

Device class A

Over the air activation (OTAA)

Adaptive data rate (ADR)

Frequency bands:

EU868 MHz (EU Version), US915MHz (US Version),

AS923 (Asia Version) or AU920 (Australia Version)

Input Sensitivity: -148 dBm (EU Version)

Operating conditions

-30°C to 60°C

100% RH

Weight

250g w/o batteries

Dimensions

80 x 135 x 70 mm

Enclosure

Weatherproof IP67, impact and UV- resistant polycarbonate enclosure

Dimensional drawings (gas inlet to be defined)

