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

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)

Supply

Internal battery 2 x C-type
Integrated sensor supply

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)