



LoRaWAN Sensor Device

Pressure / Level, Temperature, Conductivity



Sensors

KELLER 36 Xi W CTD
absolute or relative pressure sensor for level applications
High resolution, IP67 weather resistant, piezo resistive technology
Interface: RS-485

Conductivity sensor
Ranges:
0,2 / 2 / 20 / 200 mS/cm
Accuracy 2,5% of the selected measuring range

Pressure sensor
Relative and absolute ranges:
0...0.3, 0...1, 0...3, 0...10, 0 ... 30 bar
Temperature compensated
Accuracy $\pm 0.1\%$ of full scale

Temperature sensor
Range: -20 ... 80 °C
Accuracy 0,1 °C

10m cable, longer cable on request

LoRaWAN specifics

Device class A

Over the air activation (OTAA)

Adaptive data rate (ADR)

Frequency band:
EU868 MHz (EU Version), US915MHz (US 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 (only enclosure)

