Ground Water Level Sensor

Make: EnthuTech
Brand: ETS IoT
Model: ETS IoT - WL

Salient Features:
- o LoRaWAN 1.0.3 Class A
- o ARM microcontroller with 256KB flash and 64KB RAM
- o Ultra-low power consumption
- o Measure water level based on pressure
- o Different pressure range available
- o Thread Installation Type or Immersion Type
- o Monitor Battery Level
- o Frequency Band: IN865
- o Support Bluetooth v5.1 and LoRaWAN remote configure
- o Support wireless OTA update firmware
- o Uplink on periodically
- o Downlink to change configure
- o IP67 Waterproof Enclosure

Power Supply Provisions (Optional to Select):
- o 8500mAh Li/SOCl2 Non-Rechargeable Battery
- o Solar panel + 3000mAh Li-Ion battery
- o 230VAC Power + 2600mAh Li-Ion Battery

Pressure Sensor Specification:
- o Immersion Type, Probe IP Level: IP68
- o Measuring Range: Measure range can be customized, up to 100m.
- o Accuracy: 0.2% F.S
- o Long-Term Stability: ±0.2% F.S / Year
- o Storage temperature: -30℃~80℃
- o Operating temperature: 0℃~50℃
- o Material: 316 stainless steels

Accessories:
- o Can be provided on request based on the Installation location

Applications:
- o Water Level in Tanks, Borewell and Well

Product Certification and Compliances:
- o WPC, CE, IEC 61131-3:2013, IEC 61131-5:2013, ISO/IEC 14882:1998, ISO/IEC 17025:2017

Product Overview:

The ETS-WL is a LoRaWAN Ground Water Level Sensor used to measure the Water Level in the Borewell or Tanks. This measurement uses Pressure sensing method for water level measurement. It uses LoRaWAN wireless technology to send the data to IoT Server. It provides ultra-long range spread spectrum communication and high interference immunity whilst minimizing current consumption.

ETS IoT - WL supports BLE configure and wireless OTA update which make user easy to use. It is powered by Solar panel + 3000mAh Li-Ion battery or 230VAC + 2600 mAh Li-Ion Battery or 8500mAh Li/SOCl2 Battery. The Image Shown above may vary based on the Power Source selection.

This has the option to connect upto 100 meter sensor cable to measure water level.

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