



Datasheet

ANTIK Metering

INDOOR

2019/05



Overview

- 3x pulse input
- 1x RS485 / RS232 interface
- 3x Analog input 0-10V
- Lifetime up to 10 years
- Energy meters, Water meters, Gas meters pulse output readout
- No service cost during lifetime

Antik LoRaWan metering device is platform to collect data from pulse outputs or standard industry sensors equipped with RS485 bus and MODBUS communication protocol or analogue inputs. Device is designed to be powered from primary battery which allows to deploy device on any place as requested by application.

Device is able to read-out data form multiple sensors and transmit collected data in configurable interval. Typical types of sensors: Temperature, Pressure, Water quality (PH sensor, Dissolved Oxygen sensor), Ultrasonic water level sensors etc.

Sensor system is fully compatible with LoRaWAN to enable long range and low power consumption. It can be connected with both radios for the European 868 MHz band, for the 900-930 MHz band (US / Canada), 865MHz band (India), 923MHz (Indonesia, Singapore) and 915MHz band (Australia). One unique feature of the system is that it allows to use both radio technologies at the same time or changing from one to the other using the manager system from the Cloud.



Technical parameters

Battery type primary	3.6V 2700mAh primary Lithium Lifetime up to 10 years (depend on configuration)
Sensor interface	3x Pulse input 1x RS485/RS232 link (up to 32 sensors) 3x 0-10V 1x Precision temperature / humidity sensor Temperature accuracy: 0.3°C Humidity accuracy: 2%
Radio Communication	LoRaWan (NB-IoT as option)
Supported frequency band versions (LoRaWan)	868MHz Europe 915MHz – USA/CANADA 865MHz – India 923MHz – Indonesia, Singapore 915MHz - Australia
Mechanical characteristics	Dimensions: 80x60x30mm Mounting: 2x screw wall mount / mast mount Coverage: IP 68
Operating temperature range	-40 to +80°C