



Knowatt02

Waterproof Pulse Pickup

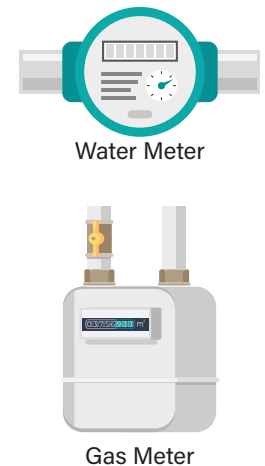
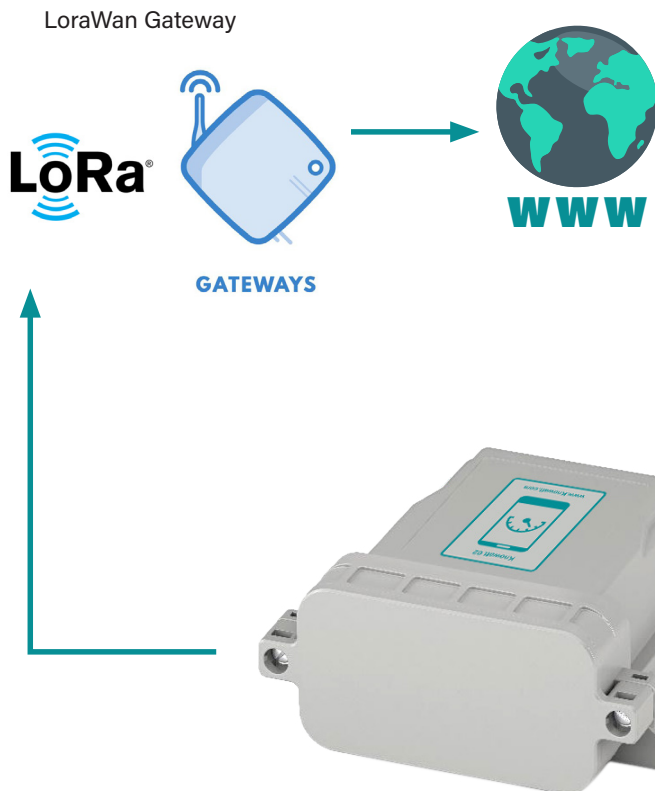


The Knowatt 02, is a low-cost weatherproof IP69 rated IoT device, similar to the Knowatt05, but WeatherProof.

The Knowatt02 is perfect unit for smaller & sub metering installations, sending aggregated, intermittent data from pulse output meters, in a hostile environment.

This Battery Powered Sensor has 2 pulse pickup inputs. Each input can pick up pulses from Electricity/Gas/Water Meters with LoRaWan data communication built-in.

Utilising LoRa Technology, connecting, low data rate, sensors to the Cloud and enabling real-time communication of data and analytics that can be utilized to enhance Energy efficiency and productivity. Knowatt's LoRa Gateway is designed for fit and forget. designed for 24/7 operation for > 10 year lifetime and guaranteed for 5 years.



Technical Specification



Knowatt

Knowatt02

- 2 x Pulse Input
- Internal temperature
- LED pulse replicator
- Glanded cable provided for Inputs

Network

- LoraWan communications; long range, low powered IOT
- 868MHz (Europe)
- MQTT Via LoRawan protocol

Battery Power

- 10 year design life
- monitored (back indication)

Mechanical

- Dimensions (W x H x D) 205 x 40 x 120mm
- Weight; 0.3kg
- Colour; Powdered Grey

Environmental

- IP69 Waterproof
- Operating Temperature; - 5'c ~ +55'c
- Storage Temperature; -20'c ~ +65'c
- Humidity; 20% - 90%

Safety

- CE Certified
- Knowatt 02 – IP65 Rated

Pickups

- 2 inputs designated
- Other options available
- Either +ve or -ve pulses
- Volt free

Unit Setup

- Easy Setup

Data types

- Water
- Electricity
- Gas, Oil etc.

Knowatt Custom Monitoring

- CO2
- VOC
- Analogue inputs
- Control outputs
- Temperature (0.5')
- Humidity
- UPS battery monitored (high resolution 24bit-0.001V)
- Cabinet Battery-Time to Run (battery capacity)
- Battery Health
- Individual cell/block monitoring
- Cabinet door
- Flood detection

Lifetime

- Designed life 10 years
- Guaranteed 5 years