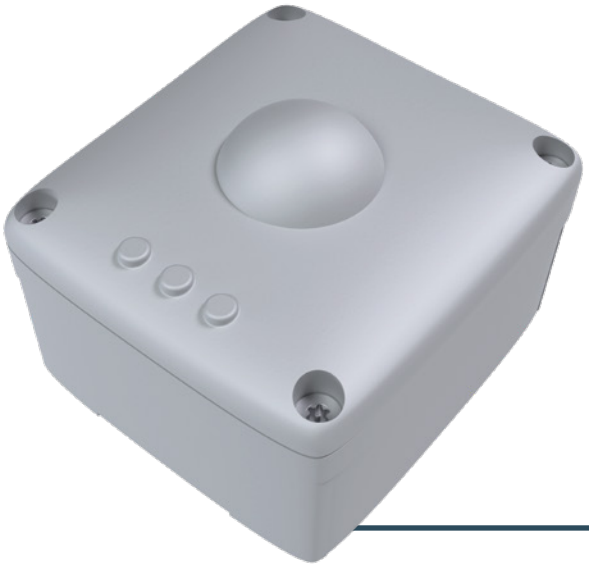
engineering empowerment
enginko®

EGK-LW20L00



Multi-application level sensor

This device is able to determine the level of different materials both inside containers and in the open air. The long battery life, low cost, small size and robust construction make it an ideal sensor for endless applications, from agriculture to meteorology, from industry to craftsmanship. Water and other liquids, powders, glass, plastic, grains, snow, paper, fruit ... materials of different consistency and composition can be monitored remotely (even through walls), significantly reducing control and maintenance costs.

Applications

- Farms
- Waste treatment plants
- Municipal administrations
- Storage warehouses
- Manufacturing industries
- Ski resorts
- Hotel facilities
- Civil protection

Technical features

- CPU ARM Cortex M4
- Class A LoRaWAN® 1.0.2 , EU868
- OTAA/ABP activation
- Level range 350 ÷ 7000mm, resolution 1mm
- Non contact level detection up to 7mt
- Embedded antenna
- Magnetic start-up
- Time interval based or thresholds based uplink**
- Embedded accelerometer for tilt status**
- Primary battery with no harmful substances, replacement possible
- Pole or surface mount
- 5 years life time with SF12 and max Tx power, 48 Uplinks messages per day
- Transmission @ 868 MHZ, 14dBm max.
- BLE interface for configuration, data reading and FW upgrade
- Remote configuration**
- Storage temperature -30°C ÷ +80°C
- Working temperature -30°C ÷ +70°C
- Dimensions: 64.5x58.5x44.7mm
- Protection grade: IP67
- Weight: 95g

*** planned*

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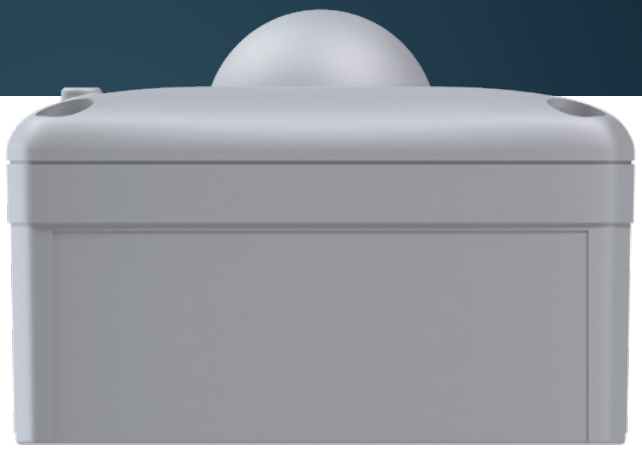

Performance

Measure distances **up to 7m** with 1mm resolution

Resistant

Built with **sturdy** and **durable** materials.

Reliable

Insensitive to dirt, **battery** life up to **7 years.**

Simple

Easy installation and set-up.

Compact

Very small size: 64.5x58.5x44.7mm

The small and reliable level sensor, adaptable to endless applications.

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