



## LoRaWAN<sup>®</sup> snow depth sensor that also detects temperature, pressure, and humidity

This device is capable of determining the snow depth with absolute precision while simultaneously detecting information related to temperature, humidity, and atmospheric pressure. The battery life, low cost, small size, and robust construction make it an ideal sensor for ski resorts, hotel facilities, road services, municipal administrations, Civil Protection, etc. The data can also be monitored over considerable distances (an optional antenna is available to extend its communication capabilities); thanks to the battery life, control and maintenance costs are minimal.



Snow



Temperature



Humidity



Pressure



Magnet Start up



IP67



External antenna\*



Mounting frame\*\*

\* EGK-LW20LT12  
 \*\* EGK-DMRA02

### Performance

Measure snow depth with **1 mm resolution**

### Resistant

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

### Reliable

Insensitive to cold, **battery** life up to **7 years**

### Simple

**Easy** installation and set-up



### Bluetooth BLE

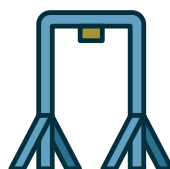
Bluetooth interface for **configuration** and diagnostic

### Compact

Very **small size**:  
 64 x 58.5 x 44.7 mm



The degree of protection guarantees great reliability.



For installation, the ground-anchorable structure is available.

# EGK-LW20LT02

## Applications

- Road Services
- Ski Resorts
- Municipal Administrations
- Hotel Facilities
- Civil Protection
- Weather monitoring



EGK-LW20LT12



EGK-LW20LT12 mounted on station EGK-DMRA02

## Specifications

- CPU ARM Cortex M4
- Class A LoRaWAN® 1.0.2 , EU868
- OTAA/ABP activation
- Snow depth range 0 ÷ 1500mm
- Resolution 1mm
- Accuracy +/-15mm
- Measurement principle: radar
- Immune to temperature/humidity/pressure variations
- Magnetic start-up
- Time interval based or thresholds based uplink\*\*
- Primary battery with no harmful substances, replacement possible
- 4 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 ÷ +65°C
- Working temperature -30°C ÷ +65°C
- Dimensions: 64.5x58.5x44.7mm
- Protection grade: IP67
- Weight: 95g



## Items

- EGK-LW20LT02: Snow depth sensor
- EGK-LW20LT12: Snow depth sensor with external antenna
- EGK-DMRA02: Complete snow depth station

EGK-LW20LT02  
official web page:



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