

## LoRaWAN<sup>®</sup> outdoor environmental sensor



This IP67 battery powered sensor reads temperature, humidity and pressure and sends collected data over the LoRaWAN<sup>®</sup> network. Ideally suited for a wide range of applications such as weather stations, urban monitoring, air quality, industrial, environmental or farming projects.



Temperature



Pressure



Humidity



IP67



Bluetooth



Magnetic start-up

### Flexible

Pole or wall mount

### Compact

Very small size:  
98 x 58.5 x 39 mm

### Simple

Easy installation  
and set-up



### Accurate

High quality temperature sensor (typ.  $\pm 0.2^{\circ}\text{C}$ )

### Bluetooth



Bluetooth interface for  
**configuration** and **diagnostic**

# EGK-LW22TWP00

## Applications

- Weather Station
- Smart city
- Smart agriculture
- Greenhouses
- Air conditioning
- Hars environment



## Specifications

- CPU ARM Cortex M4
- Class A LoRaWAN® 1.0.2 , EU868
- OTAA/ABP activation
- Temperature -30 ÷ 70°C (typ.  $\pm 0.2^{\circ}\text{C}$  within  $[0 \div 65^{\circ}\text{C}]$ , typ.  $\pm 0.5^{\circ}\text{C}$  otherwise)
- Humidity 0% to 100% with following error @25°C:
  - From 0% to 10%  $\pm 3\%$
  - From 10% to 90%  $\pm 2\%$
  - From 90% to 100%  $\pm 3\%$
- Pressure 300...1250hPa ( $\pm 1\text{hPa}$ )
- Embedded antenna
- Magnetic start-up
- Time interval based or thresholds based uplink
- 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 5.0 interface for configuration, data reading and FW upgrade
- Remote configuration
- Storage temperature  $-30^{\circ}\text{C} \div +80^{\circ}\text{C}$
- Working temperature  $-40^{\circ}\text{C} \div +65^{\circ}\text{C}$
- Dimensions: 98x58.5x39mm
- Protection grade: IP67
- Weight: 95g



EGK-LW22TWP10

EGK-LW22TWP00  
official web page:



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