

# LoRaWAN Temperature Sensor

## T68DL



Warehouse



Living Room



Laboratory



Fridge

## OVERVIEW:

The Dragino T68DL Temperature Sensor is a Long Range LoRaWAN Sensor with IP68 waterproof rating.

The T68DL allows users to send data and reach extremely long ranges. It provides ultra-long range spread spectrum communication and high interference immunity whilst minimizing current consumption. It targets professional wireless sensor network applications such as irrigation systems, smart metering, smart cities, building automation, and so on.

T68DL has a built-in 2400mAh non-chargeable battery, it is designed for long-term use up to several years.

T68DL is full compatible with LoRaWAN v1.0.3 Class A protocol, it can work with a standard LoRaWAN gateway.

T68DL supports Datalog feature. It will record the data when there is no network coverage and users can retrieve the sensor value later to ensure no miss for every sensor reading.

\*The actual battery life depends on how often to send data, please see battery analyzer chapter.

## Features:

- LoRaWAN v1.0.3 Class A protocol
- Built-in Temperature Sensor
- Datalog feature
- Tri-color LED to indicate status
- Firmware upgradable via program port
- AT Commands to change parameters
- Waterproof rating: IP68
- Remote configure parameters via LoRaWAN Downlink
- Built-in 2400mAh battery for more than 10 years of use
- Bands: CN470/EU433/KR920/US915/EU868/AS923/AU915

## Sensor Spec:

### Built-in Temperature Sensor:

- Resolution: 0.01°C
- Accuracy Tolerance : Typ  $\pm 0.3$  °C
- Long Term Drift: < 0.02 °C/yr
- Operating Range: -40 ~ 85 °C

## Order Info: T68DL-XX

- XX: Frequency Bands, options:  
EU433, CN470, EU868, IN865,  
KR920, AS923, AU915, US915

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