FRIOLINK™

DATASHEET

TOPFLYtech T-one

TOPFLYtech · Bluetooth temperature and humidity sensor, with probe

Status with Friolink: Field-tested

Sealed sensor with a 1 m external probe, designed for freezers, frozen-goods rooms and refrigerated boxes. It is picked up by Friolink Gateway or the KnightX 100 LTE gateway.

Specifications

Radio / protocol	Bluetooth LE 5.1 · TFT Eddystone, Eddystone UID, Beacon [1]
Temperature	Probe: −40 to +125 °C [1]
Temperature accuracy	±0.3 °C from 0 to 35 °C · ±0.5 °C from −25 to 0 °C · ±0.7 °C from −40 to −25 °C [1]
Humidity	Yes · accuracy not clearly published [1]
Battery	CR2477 · 1000 mAh · not replaceable [1]
Battery life	1,800 days at 10 s and 0 dBm (factory setting) [1]
Reporting interval	10 s by default, configurable [1]
Range	Up to 200 m at 4 dBm, open field [1]
Protection	IP67 [1]
Operating temperature	−30 to +80 °C (housing) [1]
Dimensions	59,9 × 40,0 × 14,6 mm [1]
Weight	59 g with probe · 36 g without [1]
Internal memory	Up to 15,000 records [1]
Certifications (manufacturer)	CE · FCC [1]
Connection to Friolink	Friolink Gateway or KnightX 100 · field-tested [2]

With Friolink

- Passive listening: the gateway never connects to the sensor
- Decoder tested with real advertisements
- Sensor battery on the device record

> Certifications (CE, FCC and others) are those declared by each device's manufacturer; Friolink does not certify third-party hardware. Technical data comes from the sources cited.

Sources

[1] TOPFLYtech, product page: https://www.topflytech.com/en/t-one/

[2] Friolink compatible hardware list: Friolink Gateway (GATEWAY-COMPATIBILIDAD.md)

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