

HT 4050

BLE TEMPERATURE AND HUMIDITY SENSOR

REFERENCE
4050

Puck-sized BLE temperature and humidity sensor covering -40 °C to +85 °C, with humidity measured across the full scale. Battery powered.



Ø 57 × 20 mm

Dimensions Ø × D

41 g

Weight

IP65

Ingress protection

≈ 7 years

Battery life

- BLE iBeacon
- 60 m or more at +4 dBm
- Battery life ≈ 7 years
- Internal 3 V DC lithium cell
- IP65
- -40 °C → +85 °C
- Temperature
- Humidity

Connectivity

TECHNOLOGY

- Bluetooth Low Energy (BLE) beacon

RANGE

- 60 m or more at +4 dBm
- Actual range strongly influenced by the physical environment
- BLE advertising every 2 s

COMPATIBILITY

- All TRAKmy devices with BLE gateway capability

Sensor characteristics

TEMPERATURE

- Range : -40 °C → +85 °C
- Accuracy : ±0,5 °C

HUMIDITY

- Range : 0 % → 100 %
- Accuracy : ±2,5 % max. (0 – 90 %) · ±3,5 % max. (90 – 100 %)

Installation

MOUNTING

- Double-sided adhesive

POWER

≈ 7 years Internal 3 V DC lithium cell · not replaceable

- Up to 7 years of battery life
- Battery life depends on usage

Physical characteristics

Dimensions Ø × D	Ø 57 × 20 mm
Weight	41 g
Housing	DELTRIN (POM C) · food contact 90/128/EEC
Ingress protection	IP65
Operating temperature	-40 °C → +85 °C

Certifications

EUROPE

- CE · EN 300 328 / EN 301 489 / EN 55032 / EN 62368-1

USA

- FCC 15

CANADA

- ISED RSS-247 / ICES-003

ENVIRONMENT

- RoHS