

PROFESSIONAL TEMPERATURE & HUMIDITY SENSOR

TSTH1-B

 BLE 5.0

BLE 5.0 wireless sensor for temperature and humidity monitoring in cold chain, pharma and food transport. Up to 8 years of battery life.



Key features

- Temperature accuracy $\pm 0.2^{\circ}\text{C}$
- Humidity accuracy $\pm 2\% \text{ RH}$
- Compact size
- Easy installation
- Waterproof IP65
- Firmware over the air (FOTA)
- BLE 5.0 – range up to 300 m

Standby time

60 min reporting		3000 days
1 min reporting		2000 days
10 s reporting		1850 days

Approx. 8 / 6 / 5 years.

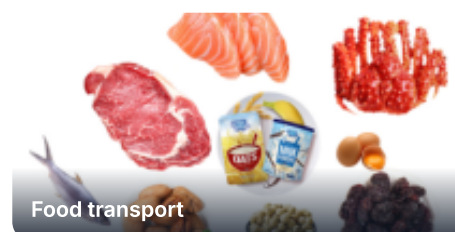
WEIGHT
35 g (battery included)

DIMENSIONS
69.75 × 52.6 × 19.8 mm

OPERATING TEMP.
-40 °C ~ +85 °C

BATTERY
Replaceable CR2477, 1000 mAh

Applications



Technical specifications

General	
Model name	TSTH1-B
Waterproof	IP65
Dimensions	69.75 × 52.6 × 19.8 mm
Weight	35 g, battery included
Battery	Replaceable CR2477 (1000 mAh)
Battery life	8 years @ every 60 min 5 years @ every 10 s
Operating environment (battery)	-30 °C ~ +60 °C (-22 °F ~ 140 °F)
Operating temperature	-40 °C ~ +85 °C (-40 °F ~ 185 °F)
Temperature accuracy (0–60 °C)	±0.2 °C (long-term drift typ. < 0.02 °C/year)
Humidity accuracy (10–90%)	±2% RH (long-term drift typ. < 0.25% RH/year)
Power output	+4 dBm
Transmission range	Up to 300 m (open field)
Others	Front light sensor