

RHTP

IoT data tracking device



T1 is a small IoT device for data monitoring and tracking of assets and equipment locally and globally.

Highlights include wireless casing, replaceable long-life batteries, global GSM connectivity and advanced and intelligent sensor technology.

T1 RHTP edition features high precision humidity, temperature and air pressure monitoring with LTE Cat-M1 network technology incl. 2G fallback.



T1 is a small IoT tracking device and data logger designed for **data tracking and monitoring** of any asset – stationary or moving – where certain conditions are essential for compliance or safety.

This **RHTP** edition features high precision humidity, temperature and air pressure monitoring in one device. Its wireless casing makes it suitable for installation directly on the asset you wish to monitor and protect.

This makes it especially suited for use in logistics and supply chain tracking or in connection with any monitoring of **sensitive equipment** to ensure compliance or healthy working conditions.

Device is **managed online** on the Trusted Data Portal. The portal visualizes data on maps, in graphs, and in reports. Features include automatic compliance data, map navigation, incident alarms etc. API is available.

Two quality long-life batteries are included and can be replaced when needed. Use only authorized ER14505M cells. Battery lifetime varies on settings.

When mounted, devices track high-precision data such as motion, shock, vibration, and handling of your assets using a built-in **3-axis accelerometer**.

Other sensors track light while position data is available through **built-in GPS** or via mobile network triangulation if GPS is not accessible.

Global mobile network roaming is available with the communication technology LTE Cat-M1 (2G fallback). **All data is logged** internally on the device between transmissions or when outside of data coverage.

Trusted devices are in operation **all over the world** in industries like logistics, security, wind, and construction.



Specifications

Battery lifetime (2 batteries inserted)

Antenna, LTE/2G

Typically 1000 transmissions based on

1 transmission/day *

Humidity, temperature, air pressure, position, motion, tilt, rotation, vibration, Trackable data

shock, light

Type: T1.420

Stores 300 data entries (as default) on Data log features internal storage incl. all sensor data.

Antenna, GPS Internal

LTE Cat M1 / GSM EGPRS Network technology (850/900/1800/1900MHz)

SIM Embedded, subscription required

Internal

Server communication LTE/2G

Server protocols API available upon request

Configuration Via server Housing PA6 (nylon)

IP53 IP rating

Maximum allowed 8 g continuous acceleration

68 x 68 x 28,5 mm **Dimensions**

Weight 120 gram

Battery package 2 pcs ER14505M (replaceable)

< 2 gram (0.7 gram in 1 pcs ER14505M) Lithium content

-30 °C to +85 °C Temperature, operating

+30 °C max (recommended) Temperature, storage

ADR UN3091

US content 0%

ECCN EAR99

HS (TARIC export) code 8526 91 20 20 Country of origin Made in Denmark

*) Depending on signal and temperature conditions.

RHTP specifications

Sensor operating range

Humidity sensor accuracy

Humidity sensor hysteresis Temperature accuracy

Air pressure accuracy

0 to 100% rel. humidity -30° C to +85° C 300 to 1100 hPa

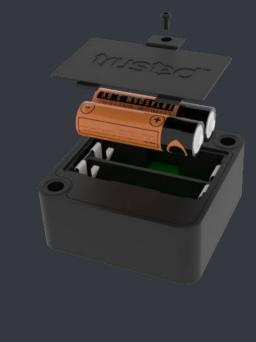
±3% rel. humidity

±1% rel. humidity

±0,5° C at 25° C ±1,5° C at full scale

±1.7 hPa at -20° C to 0° C ±1.0 hPa at 0° C to 65° C





ion 1.2 - Subject to change without notice. data sheet references to firmware 3.60 or nev