

T1 RHTP

IoT data tracking device



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.

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.



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)	Typically 1000 transmissions based on 1 transmission/day *
Trackable data	Humidity, temperature, air pressure, position, motion, tilt, rotation, vibration, shock, light
Data log features	Stores 300 data entries (as default) on internal storage incl. all sensor data.
Antenna, GPS	Internal
Antenna, LTE/2G	Internal
Network technology	LTE Cat M1 / GSM EGPRS (850/900/1800/1900MHz)
SIM	Embedded, subscription required
Server communication	LTE/2G
Server protocols	API available upon request
Configuration	Via server
Housing	PA6 (nylon)
IP rating	IP53
Maximum allowed continuous acceleration	8 g
Dimensions	68 x 68 x 28,5 mm
Weight	120 gram
Battery package	2 pcs ER14505M (replaceable)
Lithium content	< 2 gram (0.7 gram in 1 pcs ER14505M)
Temperature, operating	-30 °C to +85 °C
Temperature, storage	+30 °C max (recommended)
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.

Type: T1.420

RHTP specifications

Sensor operating range	0 to 100% rel. humidity -30° C to +85° C 300 to 1100 hPa
Humidity sensor accuracy	±3% rel. humidity
Humidity sensor hysteresis	±1% rel. humidity
Temperature accuracy	±0,5° C at 25° C ±1,5° C at full scale
Air pressure accuracy	±1,7 hPa at -20° C to 0° C ±1,0 hPa at 0° C to 65° C



Version 1.2 - Subject to change without notice.
This data sheet references to firmware 3.60 or newer.