Logger T Device Manual

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Find out more about the Logger T.

Introduction

These are the main characteristics of the Logger T:

1. The Logger T is a **logging** device. Loggers do not transmit any live-data or location. Scan the device at the destination to access your data.

2. The Logger T is purchased as a **one-way** device. It can be disposed of afterwards.

3. The Logger T can be used for **ocean, land and air** transports. The paper-thin label is an ideal solution if you need to monitor the temperature of pharma shipments, for example.

Device Components

Check out all Logger T components on the graphic below:

NFC / UHF Interface

The Logger T can be read by NFC enabled smartphones or by industrial RFID readers.

The optimal scanning distance is about 5 cm.

Clock

The Logger T uses an internal RC-oscillator. The clock accuracy is ±1%.

Temperature Sensor

The temperature sensor measures between:
-30°C and +50°C

It is possible to configure alerts on the IoT platform: If temperature limits are exceeded, the IoT platform will show an alert.

Battery

The Logger T uses a printed ZnMn alkaline battery (40 mAh; 1.5 V).

It will stop logging when the memory is full, i.e. after 4800 measurements.

Mount Device

The back of the Logger T is self-adhesive. Stick the Logger T on any surface.

It can be placed on the inside or outside of the shipment. It will log the ambient temperature of where it is placed. The Logger T can be read through Styrofoam boxes and through two layers of cardboard.

Access Data

You can read the data with an industrial UHF RFID reader or an NCF enabled smartphone.

Prerequisites

If you use a smartphone you need the TiveTag app on your smartphone to read the data and upload it to the IoT web portal. You will find the app in the Google Play and the Apple app-store.

Android (Version 8.0 or higher, with NFC):	**https://play.google.com/store/apps/details?id=com.tive.android.production**
Apple (iPhone 8 or higher):	**https://apps.apple.com/de/app/tivetag/id1633430232?l=en**

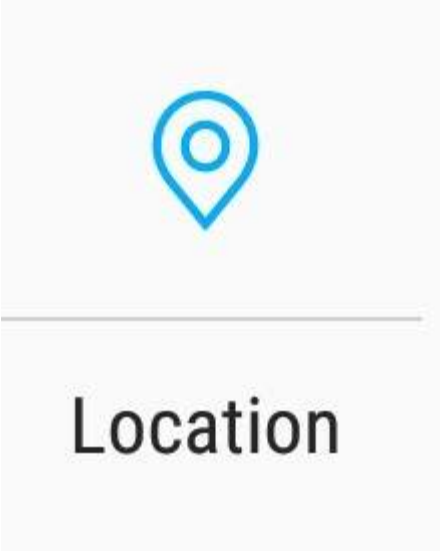
Reading the data with a smartphone

Turn on NFC

NFC (Near Field Communication) allows you to read the temperature log of the Logger T from a close distance (approximately 5 cm).

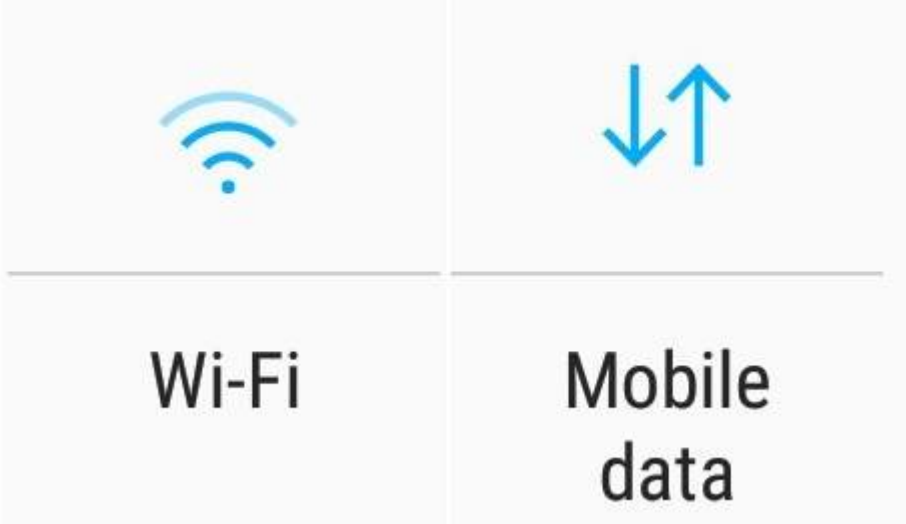
Turn on Location

You must turn on location so that the measurement can be matched to the location.



Turn on Wi-Fi or Mobile data

You will need either a Wi-Fi connection or mobile data to upload the data of the Logger T.



Remove metallic casing

If you have a metal casing around your mobile phone, remove it before you read the Logger T.

Scan Logger T

The read distance is approximately 5 cm.
The temperature data will now be uploaded automatically to the IoT platform and also displayed on the screen of the device.

Take the Device Out of Use

The battery used in the Logger T is a printed ZnMn alkaline battery which **cannot be replaced or charged.**

The Logger T can be recycled as common waste (WEEE - Waste Electrical and Electronic Equipment).

Logger T Technical Details

Sensors	• Temperature: - Operating range: -30°C to 50°C - Accuracy: ±0.5°C to ±1.0°C
Battery & Charging	• Manganese Dioxide • 6 months battery life at 1 hour measurement interval
Cellular Connectivity	• Non-transmitting (depends on the RFID/NFC reading device)
Dimensions & Weight	• 95 x 125 x 1 mm • 5 g
IP Rating	• 67
Certifications	• CE • RTCA

	• DO-160G