

# METEOTRACKER WEATHER STATION



## USER MANUAL

### Quick guide

✓ **Press the button here** to activate the BT advertising. The corresponding green led will blink.

✓ **Place the weather station** on the car rooftop or externally on other vehicles (see installation guidelines at page x)

✓ **ATTENTION: make sure that the conditions for a safe installation are met** (see page x). **If not, do not use the mini-station on moving vehicles**



✓ **Enjoy your MeteoTracker session** by starting data acquisition with the MeteoTracker App

✓ **Visualize your sessions** in the “My sessions” list of the MeteoTracker App or go to <http://app.meteotracker.com/#!en> to visualize it.



FOR DETAILS SEE THE FOLLOWING PAGES



# Installation

The mini-station is provided with a 3-magnets base for installation on ferromagnetic surface, like car rooftop.

## Guideline:

✓ **place** the mini-station so that the air flow enter the two openings in front of the device

✓ **make sure** that both sensors are equally exposed to the sun radiation

✓ **keep the mini-station** aligned with air-flow direction



## Safety

Make sure that the surface where the mini-station is installed:

-is made of ferromagnetic material

-is flat and clean

-no obstacle or object is present that may reduce the magnetic strength of the 3 magnets placed in the mini-station base

**-if all of the 3 above conditions are not met to not or if for other reasons the installation is not safe do not use the mini-station while the vehicle is moving**



# Specifications

<b>MEASURED DATA</b>	Temperature, humidity, pressure (altitude)
<b>DIMENSIONS</b>	35 mm x 75 mm x 75 mm
<b>WEIGHT</b>	40 gr
<b>ACCURACY</b>	<ul style="list-style-type: none"> <li>• Temperature +/- 0.5°C</li> <li>• Humidity +/- 3%</li> <li>• Pressure relative +/- 3 Pa   Pressure absolute +/- 50 Pa</li> <li>• Altitude +/- 10 m</li> <li>• Patented system for accurate temperature measurement (+/- 0.5° C) even under exposure to solar radiation</li> </ul>
<b>RESPONSE TIME</b> (TEMPERATURE MEASUREMENT)	Settling time of 30 s given an air temperature variation from +5° C (41° F) to -5° C (23° F) at a speed of 5 m/s
<b>CONNECTIVITY</b>	BLE connectivity
<b>BATTERY</b>	300+ hours of battery life, rechargeable Lithium polymer battery, 3 hours recharge time
<b>FASTENING SYSTEM</b>	Magnetic
<b>OPERATING RANGE</b>	-40° C (-40° F) to +125° C (257° F)

## Device status (LED signalling)

*Bluetooth advertising ON*

*Reset (keep the Adv button pressed for more than 10 seconds)*



*Charging ongoing*

*Power source OK*

## Battery charging

- ✓ Open the USB-C port in the rear of the device
- ✓ Attach the battery charger through a USB-C cable
- ✓ Charging related LED will switch-on
- ✓ When charging is completed, the charging related LED will switch-off (charging duration: 2-3 hours)



## REFERENCES

- ✓ [www.meteotracker.com](http://www.meteotracker.com)
- ✓ [facebook.com/meteotracker](https://facebook.com/meteotracker)
- ✓ [www.linkedin.com/showcase/meteotracker](https://www.linkedin.com/showcase/meteotracker)
- ✓ email: [meteotracker@meteotracker.com](mailto:meteotracker@meteotracker.com)
- ✓ [www.youtube.com/channel/UCioWABj-yL-FerKACVpjTmQ/videos](https://www.youtube.com/channel/UCioWABj-yL-FerKACVpjTmQ/videos)