

Product sheet

AirTracker meteo

Meteo station for determination of dispersion conditions

Meteorological data are important for determining dispersion conditions and the direction of emission and dust particles. They are also essential for the analysis of historical data and prediction of spread. The AirTracker Meteo station is based on the same foundations as AirTracker, but provides a set of sensors to measure dispersion conditions, forming together with the AirTracker unit scalable system for sensory networks for air quality measurement.



Measured quantities

Relative humidity (0 to 100%), accuracy 3%
Air temperature (-40 to 85 ° C, accuracy 1 ° C)
Air pressure (300 to 1100 hPa, accuracy 1 hPa)
Wind direction (resolution 22.5°)
Wind speed (0 to 55 m / s, accuracy 0.05 m / s)
The minimum wind speed for the measurement is 1.4 m / s



Power supply interface

Voltage range: 18- 250 V / 50 Hz
Power supply backed up by built-in rechargeable battery
Patented power supply system using public lighting network for extensive and scalable installations



Box

IP 65 Cover
Dimensions: 165 x 85 x 55 mm
Weight: 480 g
Mounting kits for lamppost installation

Modern communication technology

AirTracker Meteo uses Integrated Ultra Low Power Wireless solutions in form of Sigfox or LoRa networks to communicate with other units over distance ranging to tens of kilometers. It is therefore possible to reduce the cost of building a data infrastructure and to cover an area with more complex diffusion conditions determining the spread of pollution.

Common Base

AirTracker Meteo builds up on common base as an AirTracker, to which different sensors are wired. All the advantages associated with usage of patented power system from a public lighting network without the need for high-performance batteries and identical service and installation procedures persist.



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