

TRACK+

Outdoor Air Quality Measurement Station

Click or scan to find out more about the product



Nexelec

- Particulate Matter
- Temperature
- Humidity
- Atmospheric Pressure
- 5 slots BLOCK



Multi-connectivity

LoRaWAN or 4G LTE connectivity: the product communicates and adapts to all situations



Geolocation

Built-in GPS automatically locates measured data



Multi-sensor extensions with BLOCK

5 modular slots for easily adding additional sensors (Ozone, NO₂, etc.), ensuring flexibility and scalability

Measurement accuracy

Fine particle sensor validated by an independent metrology laboratory. The device warms the air before measurement to ensure reliable data without the impact of ambient humidity

Adapted power supply modes

Designed to adapt to multiple terrain specifications: sector, DC voltage, or solar panel

AirFlow 360°

Well-ventilated aerosol sampling system. Allows fine particles to enter from all angles without blind spots. Ensures reliable air quality measurements and effective protection against the elements

Local recorder

With its built-in SD card, the station stores up to 20 years of data, ensuring that measurements are recorded even in white zones

Integrated plug-and-play solution

The open and secure LoRaWAN protocol allows you to freely use the station's measurements in the monitoring software of your choice

Battery-powered

Ideal for intermittent power supply (street lighting poles, power outages, etc.). Allows the station to operate for up to 15 days without mains power. Automatic battery recharge when power is restored



TRACK⁺

Outdoor Air Quality Measurement Station

Nexelec

www.nexelec.eu

Options catalogue

see details of options on next page

Reference	Designation	Reference	Designation
X950LS	LoRaWAN OAQ station	P061	CELLULAR
		P066	SOLAR



Net weight: 2.6 kg

FUNCTIONS



Particulate Matter Measurement

Continuous or intermittent measurement. Mass MP measurement on 3 channels. Measurement of MP by number on 5 channels.



Choice of power supply

Operates on mains or DC voltage. Optional photovoltaic panel and battery



Low maintenance

No maintenance required for 5 years (in standard configuration)



SD Card

Storage of all measurements in a .csv file

Navixis

Easy to use*

Nexelec's NAVIXIS solution provides access to the station's information and measurements via a web browser or via APIs



LFP lithium battery*

Safe, high-performance technology. Capacity 100 Wh. Operating time standard: 15 days



BLOCK

5 locations to enhance the station with new measurements, ensuring flexibility and easy maintenance



LED

Status of the various station components visible via LED



Enhanced cyber security

Data transmitted by the product is secured from end to end using double AES128 encryption



GPS

Automatic station location via GPS and GLONASS networks



Simple installation

Thanks to its compact design and wide range of fixing accessories, the product is easy to install on a wall or post



4G LTE communication*

Multi-operator SIM card supplied with the station for optimum network coverage in over 150 countries



NFC

Configuration, diagnostics and update interface via Nexelec mobile application



Insect barrier

Pest protection grille integrated into the station. Preserves measurement reliability. Easy to maintain

FEATURES

Particulate Matter

PM0.5, PM1, PM2.5, PM5, PM10

Resistance: 1 µg/m3 or 1 pcs/cm3
Repeatability error: <3
Linearity error: <5
Mass measurement range :
0 to 1,000 µg/m3
Measurement range in number :
0 to 3,000 pcs/cm3

Conditions of use

Outdoor environment
Temperature: -20°C to +60°C
Humidity: 0% RH to 95% RH (non-condensing)

Atmospheric pressure

Res: 1 hPa
Acc: ±2.5 hPa
Measuring range: 300 - 1100 hPa

Power supply

Alternating current (110V - 230V)
Direct current (5V - 35V)
LFP lithium battery (100 Wh)
Solar-powered*

Temperature

Res.: 0.1°C
Acc.: ±0.3°C
Measuring range: -30°C to +70°C

Connectivity



↑ ↓
LTE 4G (via CELLULAR option)

Humidity

Res: 0.5% R.H.
Acc: ±2% r.H.
Measuring range: 0 - 100% R.H.

Mounting type

Wall-mounted
Post

Warranty⁽¹⁾

2 years

Certification



⁽¹⁾Please refer to the information available on www.support.nexelec.fr. *Option available on request

OPTIONS & ACCESSORIES

POWER SUPPLY

SOLAR

Solar power kit

Autonomous power supply via solar panel
Ideal for isolated environments

Kit contents

20 Wp solar panel and cables
Solar panel mounting bracket

NETWORK & DATA

CELLULAR

Cellular connectivity

Data recovery via the 4G network
Already configured with a Nexelec multi-operator SIM card (supplied with 5 years' connectivity included)
Includes 5 years' access to data from the NAVIXIS web platform

NAVIXIS

Station management web platform

Visualisation of measurements, curves and .csv exports
Connection and access to third-party services via API or webhook
Configurable email / sms alerts
Manage the status of your fleet of stations

SKY

*Optional software module for NAVIXIS
Analysis of Outdoor Air Quality data*

Mapping tool to locate measurements
Linking measurements taken at the station with air quality data from nearby public measurement stations
Calculation of air quality indices
Advanced dashboards and reports for monitoring outdoor air quality