

# TRACK+

Outdoor Air Quality Measurement Station

Click or scan to find out more about the product



**Nexelec**

Particulate Matter

Temperature

Humidity

Atmospheric Pressure

Other pollutants on request



## Multi-connectivity



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

## Geolocation



Built-in GPS automatically locates measured data

## Various power supply modes



Designed to adapt to a wide range of field conditions: Mains, DC voltage or solar panel

### Measurement accuracy

Fine particle sensor validated by an independent metrology laboratory. The device heats the air before measurement for reliable data with no impact from ambient humidity levels

### Autonomous on battery

Ideal if the power supply is intermittent (public lighting masts, mains failure, etc.). Allows the station to operate for up to 15 days without mains power. Automatic battery recharge when power returns

### AirFlow 360°

Clear aerosol sampling system. Allows fine particles to enter 360° 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, guaranteeing that measurements can be recorded even in white zones

### Plug and play integrated solution

The open and secure LoRaWAN protocol means that the station's measurements can be used freely in the monitoring software of your choice

### Simplified on-site maintenance

Replacement of wearing parts (fine particle sensor, battery) without removing the product from its wall or pole mount

# 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



### LED

Status of various station components visible via LEDs



### 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

### Atmospheric pressure

Res: 1 hPa

Acc: ±2.5 hPa

Measuring range: 300 - 1100 hPa

### Temperature

Res.: 0.1°C

Acc.: ±0.3°C

Measuring range: -30°C to +70°C

### Humidity

Res: 0.5% R.H.

Acc: ±2% r.H.

Measuring range: 0 - 100% R.H.

### Conditions of use

Outdoor environment

Temperature: -20°C to +60°C

Humidity: 0% RH to 95% RH (non-condensing)

### Power supply

Alternating current (110V - 230V)

Direct current (5V - 35V)

LFP lithium battery (100 Wh)

Solar-powered\*

### Connectivity



↑ ↓  
LTE 4G (via CELLULAR option)

### Mounting type

Wall-mounted

Post

### Warranty<sup>(1)</sup>

2 years

### Certification



<sup>(1)</sup>Please refer to the information available on [www.support.nexelec.fr](http://www.support.nexelec.fr). \*Option available on request

# OPTIONS & ACCESSORIES

## POWER SUPPLY

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### 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

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### 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 <sup>(2)</sup>

*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