

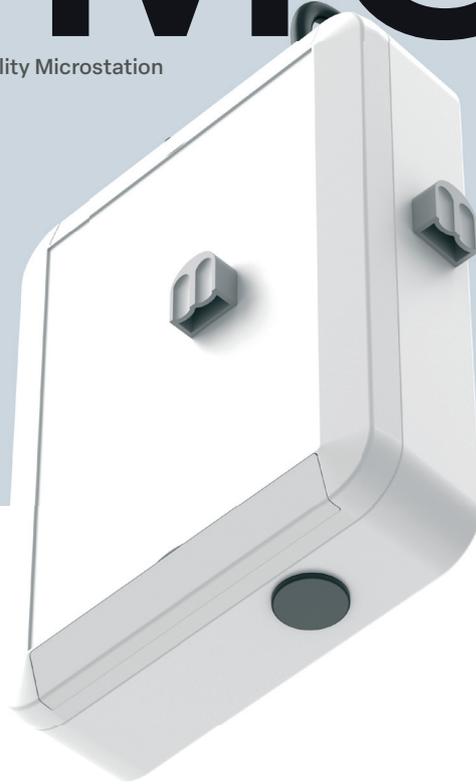
# PM10

Outdoor Air Quality Microstation

Nexelec

[www.nexelec.fr](http://www.nexelec.fr)

-  Particulate Matter
-  Temperature
-  Humidity
-  Atmospheric Pressure



## Intelligent and connected

On-board data analysis algorithm. Remote reading of measurements. All information is available in a secure cloud space



## Design

The product blends easily into an urban or industrial environment

## Monitors outdoor air quality

Numerous built-in sensors continuously analyze the atmosphere. Valuable data for environmental management

## PM monitoring

Fine particulates are very common on industrial sites. The PM sensor quickly identifies excessively high concentration levels

## Simplified deployment

GPS and self-diagnostic functions facilitate product deployment

## Ultra-localized measurement

Ultra-localized air quality measurement in towns and cities

## Reliable data transmission

Transmission modes adapted to every need, with redundant transmissions for high availability of critical data

## Temperature / Humidity

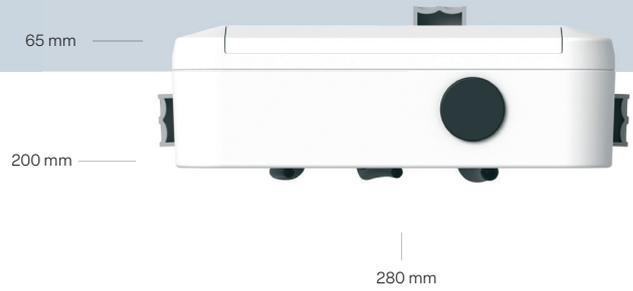
For better measurement of Air Quality at work (production sites)



# PMO

Outdoor Air Quality Microstation

Nexelec



Net weight: 2.7 kg (excluding solar panel)

Reference	Radio	Power supply
I950SF_AC	Sigfox	Secteur
I950SF_PV	Sigfox	Panneau solaire
I950LR_AC	LoRaWAN	Secteur
I950LR_PV	LoRaWAN	Panneau solaire

## FUNCTIONS



### Easy to install

Wall or pole mounting. Fixing included



### Easy to configure

Easy product adjustment via contactless NFC technology from a smartphone



### Choice of power supply

Operates from mains or photovoltaic panel



### Anti-theft protection

Lockable mounting base reduces risk of sensor removal



### Measurement accuracy

No risk of measurement drift. Fine Particle Sensor validated by an independent metrology laboratory



### Enhanced cyber security

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

## FEATURES



### Particulate Matter: PM1, PM10

Res.: 0.1 µg/m<sup>3</sup>

Prec.: ±25 %

Measuring range: 0 - 1 000 µg/m<sup>3</sup>



### Particulate Matter: PM2.5

Res.: 0.1 µg/m<sup>3</sup>

Prec.: ±10 %

Measuring range: 0 - 1 000 µg/m<sup>3</sup>



### Temperature

Res.: 0.1°C

Prec.: ±0.3°C

Measuring range: -30°C - +70°C



### Humidity

Res.: 1% R.H.

Prec.: ±2% R.H.

Measuring range: 0 - 100% R.H.

### Atmospheric pressure

Res.: 1 hPa

Prec.: ±1 hPa

Measuring range: 300 - 1 200 hPa

### Measurement transmission frequency

Every 15 minutes

### Power supply

Mains + battery backup

Photovoltaic panel + battery backup

Battery backup time: 5 days

### Choice of connectivity



### Conditions of use

Outdoor environment

Temperature: -10°C to +70°C

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

### Mounting type

Wall-mounted or pole-mounted (brackets included)

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

2 years

### Certification



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