



NANOENVI^{eqPM}

PM PORTABLE ANALYZER

- ■ ■ Laser scattering for PM.
- ■ ■ Low cost of acquisition and operation.
- ■ ■ Low power requirements.
- ■ ■ Internal datalogger.
- ■ ■ Multiple communication options.
- ■ ■ TSP, PM10 or PM2,5 sampling heads
- ■ ■ Completely autonomous, easy installation and configuration
- ■ ■ Optional gas sensors

Particle pollution - especially fine particles - contains microscopic solids or liquid droplets that are so small that they can get deep into the lungs and cause serious health problems. Numerous scientific studies have linked particle pollution exposure to a variety of health problems,

People with heart or lung diseases, children and older adults are the most likely to be affected by particle pollution exposure. However, even if you are healthy, you may experience temporary symptoms from exposure to elevated levels of particle pollution

Developed by Envira Sostenible S.A., the Nanoenvi^{eqPM} analyzer uses a proven laser scattering PM monitor to measure ambient particulates in ambient air .

The electronics converts the response of the sensor element into concentration values, compensating the variations produced by changes in ambient temperature and humidity.

Data are stored in the internal memory of the system and can be easily downloaded using either the USB port of the instrument or any of the available communication options.

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Specifications

Internal data storage.

SD card 1 Gb (more than a year of data).

Environmental conditions.

5 to 40 °C
5 to 95 % RH.

Power.

110-240 VAC 50/60 Hz 400 W

Software.

Configuration , calibration, and data download (Free of charge).

Max number of optional GAS sensors.

Up to four.

Dimensions.

280x165x120 (HxWxD).

Communications

USB (standard),
GPRS, UMTS, Zigbee, Ethernet, Bluetooth (optional).
Cloud based servers.

Other sensors

Noise meter
Meteorological sensors.
Visibility

Enclosures

Multiple options of enclosures
Tailored to final customer.
Climate control for harsh environments

Specifications

Response time	< 60 s
Measurement principles	Forward light scattering
Noise	< 0.1 ppm
Range	0-100 mg/m3
Accuracy	+/-5%
Cut points	TSP, PM10, PM2,5 PM1
Flow rate	2.0 lpm
Temperature Range	-10 to + 50°C
Moisture control	Automatic