

NANOPARTICLE DETECTOR

PARTECTOR 2

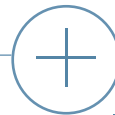


The naneos partector 2 is the world's smallest multimetric nanoparticle detector.

The partector 2 measures not only lung-deposited surface area like the standard protector, but also particle number concentration and average particle diameter.

This detector is designed for outdoor and indoor usage. It is easy to use, has a great autonomy and operates regardless of the way it is oriented.

The partector 2 also has a silent pump, which makes it adapted to measurements in noise-critical environments such as bedrooms, hospitals, schools...



BENEFITS

- + High time and spatial resolution
- + Compensation for temperature and pressure
- + Fast startup time
- + Lightweight and silent detector



APPLICATIONS

- + Industrial hygiene
- + Research
- + Automobile emissions
- + Cleanrooms

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TECHNICAL SPECIFICATIONS

MEASURED METRICS	LDSA, particle number, average particle size, surface area, UFP mass (PM0.3)
CONCENTRATION RANGE	LDSA concentration range: from 0 - 12'000 $\mu\text{m}^2/\text{cm}^3$ Number concentration range: from 0 - 106 cm^{-3} Average particle diameter range: from 10 - 300 nm Surface area concentration range: 0 - 50'000 $\mu\text{m}^2/\text{cm}^3$
ACCURACY	+/- 30%
TIME RESOLUTION	1 second
DIMENSIONS	8.8 x 14.2 x 3.4 cm
WEIGHT	420 g
INTERNAL RECHARGEABLE BATTERY	Li-Ion battery (24h)
POWER SUPPLY	USB
ALARM	Alarm threshold settable by the user
DATA STORAGE	MicroSD card
SOFTWARE	Data analysis tool that runs on all major operating systems
ACCESSORIES AND OPTIONS	IoT connectivity, visual and audible alarm box, weatherproof enclosure for outdoor measurements with solar power

