naneos
particle solutions gmbh

Measuring nanoparticles made easy.

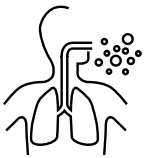
Partector 2 – Nanoparticle Dosimeter

SPECIFICATIONS

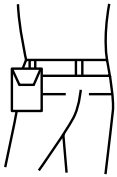
Simultaneous measurement and online display of 5 metrics: LDSA, particle number, average particle size, surface area, UFP mass (PM0.3)
High time resolution: 1 second
LDSA concentration range: from 0 - 12'000 µm²/cm³
Number concentration range: from 0 - 106 cm-3
Average particle diameter range: from 10 - 300 nm
Surface area concentration range: 0 - 50'000 µm²/cm³
UFP mass range (PM0.3): 0 - 2'500 µg/m³
Typical accuracy: 30%
Size: 142x88x34mm
Weight: 450 grams
Internal rechargeable Li:Ion battery, run time typically 24 hours in new devices
Data storage on a µSD-card (enough space for many years of data!)
Graphical display
High concentration alarm with adjustable threshold
Includes a java data analysis tool that runs on all major operating systems

The world's smallest multi-metric nanoparticle detector

Good reasons to choose a Partector 2



Multiple metrics
Measures number concentration, average particle diameter and lung-deposited surface area simultaneously



Miniature
142 x 88 x 34 mm great for personal exposure measurements

Lightweight
450 g only

Short warmup time
Start measuring within 30 seconds

Alarm capability
With user-defined alarm level

Simple to use
No working fluid necessary

Great battery life
18 hours

The Partector 2 – designed for…

Personal exposure monitoring
The partector measures all nanoparticles – so you can use it to measure exposure to engineered nanoparticles, environmental tobacco smoke, welding fumes, traffic-related nanoparticles or anything else. The partector is ideally suited for occupational safety and health studies.

Workplace surveillance
The partector can be used to monitor nanoparticle levels in a laboratory or nanoparticle production facility 24/7. It can sound an alarm, and with its data log, you can quickly check when high concentrations occurred.

Environmental monitoring
Small, light and cheap – the partector is the ideal instrument for studies where nanoparticle concentrations are to be measured with high spatial resolution. By applying multiple instruments simultaneously, you can measure transport phenomena and particle concentration distributions. By combining partector data with GPS data, you can easily visualize your measurement in Google Earth.

More applications and full specifications on our website: www.naneos.ch