NanoTracer XP Datasheet

Operating modes	**Fast mode:** real-time measurement of particle concentration and Lung Deposited Surface Area (LDSA) **Advanced mode:** real time measurement of particle concentration, average particles size and Lung Deposited Surface Area (LDSA)
Measurement units	**Particle concentration:** particles/cm^3 **Average particle diameter:** nm **Lung Deposited Surface Area:** µm^2/cm^3
Concentration range	0 – 10^6 ultra-fine particles/cm^3
Particle diameter range	10 – 300 nm (equivalent to particle average diameter between 20 – 120 nm diameter)
Time resolution	**Fast mode:** adjustable by user (min. 1 sec, default 3 sec) **Advanced mode:** 10 sec
Data presentation	Via display on the NanoTracer and on a PC running NanoReporter software (provided)
Data storage	24 MB internal memory, enough for more than 10 weeks of continuous monitoring data at the fastest sample rate
Communication	USB interface (cable provided)
Measurement technology	Diffusion charging
Operating conditions	0 – 35°C, with optimal performance at room temperature 0 – 90% relative humidity (non-condensing)
Power supply	Internal lithium-ion battery (rechargeable, min. 8 hours endurance) 24 V DC mains adapter
Dimensions (H x W)	16.5 x 9.5 cm
Weight	0.75 kg
Airflow	0.3 - 0.4 l/min
Support and maintenance	Yearly maintenance and calibration services available
Certification	CE

For more information, please contact:

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