## NanoTracer XP Datasheet

Particle diameter range  Concentration range  Particle diameter range  Time resolution  Data presentation  Via display on the NanoTracer and on a PC running NanoReporter software (provided)  Data storage  Data storage  Data storage  Data storage  Doperating conditions  USB Interface (cable provided)  Deformance at room temperature  O – 35°C, with optimal performance at room temperature  O – 90% relative humidity (non-condensing)  Internal lithium-ion battery (rechargeable, min. 8 hours endurance)  24 V DC mains adapter  Dimensions (H x W)  Velight  O 75 kg  Advance and calibration services available  Certification  CE  Particle concentration particles/cm³  Average particle diameter: nm  Lung Deposited Surface Area; µm²/cm³  Average particle diameter: nm  Lung Deposited Surface Area; µm²/cm³  Average particle diameter: nm  Lung Deposited Surface Area; µm²/cm³  Average particles/cm³  Average particles/cm³  Average particles/cm³  Average particles/cm³  Average particles/cm³  Average particles/cm³  Average particle diameter: nm  Lung Deposited Surface Area; µm²/cm³  Data concentration average diameter between 20 – 120 nm  diameter)  Fast mode: adjustable by user (min. 1 sec, default 3 sec)  Advanced mode: 10 sec  Via display on the NanoTracer and on a PC running NanoReporter software (provided)  Data storage  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)  Diffusion charging  0 – 35°C, with optimal performance at room temperature  0 – 90% relative humidity (non-condensing)  Internal lithium-ion battery (rechargeable, min. 8 hours endurance)  24 V DC mains adapter  Dimensions (H x W)  16.5 x 9.5 cm  Veight  Airflow  Support and maintenance  Yearly maintenance and calibration services available		
Advanced mode: real time measurement of particle concentration, average particles size and Lung Deposited Surface Area (LDSA)  Particle concentration: particles/cm³ Average particle diameter: nm Lung Deposited Surface Area: ym²/cm³  Concentration range  0 - 106 ultra-fine particles/cm³  10 - 300 nm (equivalent to particle average diameter between 20 - 120 nm diameter)  Fast mode: adjustable by user (min. 1 sec, default 3 sec) Advanced mode: 10 sec  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)  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  7 yearly maintenance and calibration services available	Operating modes	·
Average particle diameter: nm Lung Deposited Surface Area: µm²/cm³  Concentration range 0 – 106 ultra-fine particles/cm³  Particle diameter range 10 – 300 nm (equivalent to particle average diameter between 20 – 120 nm diameter)  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)  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		
Lung Deposited Surface Area:   Lung Deposited Surface Area:	Measurement units	Particle concentration: particles/cm <sup>3</sup>
Particle diameter range  10 – 106 ultra-fine particles/cm³  10 – 300 nm (equivalent to particle average diameter between 20 – 120 nm diameter)  Fast mode: adjustable by user (min. 1 sec, default 3 sec)  Advanced mode: 10 sec  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)  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  O3 - 0.4 Vmin  Support and maintenance  Yearly maintenance and calibration services available		Average particle diameter: nm
Particle diameter range  10 – 300 nm (equivalent to particle average diameter between 20 – 120 nm diameter)  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  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  Airflow  0.3 - 0.4 l/min  Yearly maintenance and calibration services available		Lung Deposited Surface Area: µm²/cm³
Particle diameter range    diameter	Concentration range	0 – 106 ultra-fine particles/cm <sup>3</sup>
Time resolution       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	Particle diameter range	
Advanced mode: 10 sec  Data presentation  Via display on the NanoTracer and on a PC running NanoReporter software (provided)  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  0 – 35°C, with optimal performance at room temperature 0 – 90% relative humidity (non-condensing)  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  Vearly maintenance and calibration services available	Time resolution	Fast mode: adjustable by user (min. 1 sec, default 3 sec)
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  0 – 35°C, with optimal performance at room temperature 0 – 90% relative humidity (non-condensing)  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  9.3 - 0.4 Vmin  Yearly maintenance and calibration services available		Advanced mode: 10 sec
Data storage       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	Data presentation	
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	Data storage	
Operating conditions  0 – 35°C, with optimal performance at room temperature 0 – 90% relative humidity (non-condensing)  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  0.3 - 0.4 l/min  Support and maintenance  Yearly maintenance and calibration services available	Communication	USB Interface (cable provided)
Operating conditions  0 – 90% relative humidity (non-condensing)  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  0.3 - 0.4 l/min  Yearly maintenance and calibration services available	Measurement technology	Diffusion charging
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  0.3 - 0.4 Vmin  Support and maintenance  Yearly maintenance and calibration services available	Operating conditions	0 – 35°C, with optimal performance at room temperature
Power supply  24 V DC mains adapter  16.5 x 9.5 cm  Weight  0.75 kg  0.3 - 0.4 Vmin  Support and maintenance  Yearly maintenance and calibration services available		0 – 90% relative humidity (non-condensing)
Dimensions (H x W)  16.5 x 9.5 cm  Weight  0.75 kg  0.3 - 0.4 l/mln  Support and maintenance  Yearly maintenance and calibration services available	Power supply	Internal lithium-ion battery (rechargeable, min. 8 hours endurance)
Weight 0.75 kg  Airflow 0.3 - 0.4 l/mln  Support and maintenance Yearly maintenance and calibration services available		24 V DC mains adapter
Airflow  O.3 - 0.4 l/mln  Support and maintenance  Yearly maintenance and calibration services available	Dimensions (H x W)	16.5 x 9.5 cm
Support and maintenance Yearly maintenance and calibration services available	Weight	0.75 kg
	Airflow	0.3 - 0.4 Vmin
Certification CE	Support and maintenance	Yearly maintenance and calibration services available
	Certification	CE

For more information, please contact:

## Oxility B.V.

Eindhoven, The Netherlands www.oxility.com Info@oxility.com