

NeOse™ Pro V3



The first portable and universal odor detection device.

BENEFITS

- Lightweight, connected sensor mimics the human nose
- Minimal sample preparation required
- Real-time analysis to compare odors
- Dedicated, intuitive software for data visualization and deeper analysis
- Appropriate for food, cosmetics, and automotive industries to access digital olfactive fingerprints

FEATURES

- Array of proprietary biosensors that react within seconds and odor desorption is extremely fast
- Customized PC-operated software for instrument control and data visualization
- Extensive odor database functionality provides comparative metrology and advanced analytic capabilities
- Enhanced motion-immunity



TYPICAL USES

- Formula development in R&D
- Quality control and assurance for batch-to-batch consistency
- Raw material qualification for production

Biosensors	Stabilized biosensors, evolutive with O-Cell generations
Measurement Principle	VOC detection in gas phase (headspace)
Size	245 mm x 98 mm x 48 mm
Weight	600 grams
Warm-Up Time	30 minutes
Distance From Odor Source	2 – 5 cm
Power Consumption	5 W

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Operating Conditions	Altitude	0 – 3000 meters
	Pressure	Atmospheric pressure
	Temperature	5 – 30°C
	Relative Humidity	80% or less (at 30°C) with no condensation
Protection Norm	IP32	
VOC Detection System	Chemical affinity detection through optical system	
Measured Concentration Range	1 – 1000 ppm (depending on compound)	
	Ammonia	< 1 ppm
	Hydrogen Sulfide	< 100 ppb
Response Time	10 seconds	
Acquisition Frequency	2 Hz, up to 10 Hz	
Recommended Time Between Measurements	5 minutes	
Flowrate	10 – 100 mL/min	
Calibrations	White Calibration	Background referring to air
	Calibration Frequency	Upon warm-up, then periodical on demand
System Validation	3 reference samples	
IT Requirements	Minimum System Requirements	USB 2.0, Windows 10 64 bits build 1709 or higher
	Cable Connection	USB 2.0 (micro-USB)
Lifetime	O-Cell	1000 measurements or 3 months
	Reference Samples	180 measurements or 3 months

*For best results, use Aryballe valve or delivery systems to improve data integrity and reduce experimental errors.

HEADQUARTERS

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