Genius XE Nitrogen

High performance nitrogen generator for LC-MS

PEAK SCIENTIFIC

*Your local **gas generation** partner*

Description

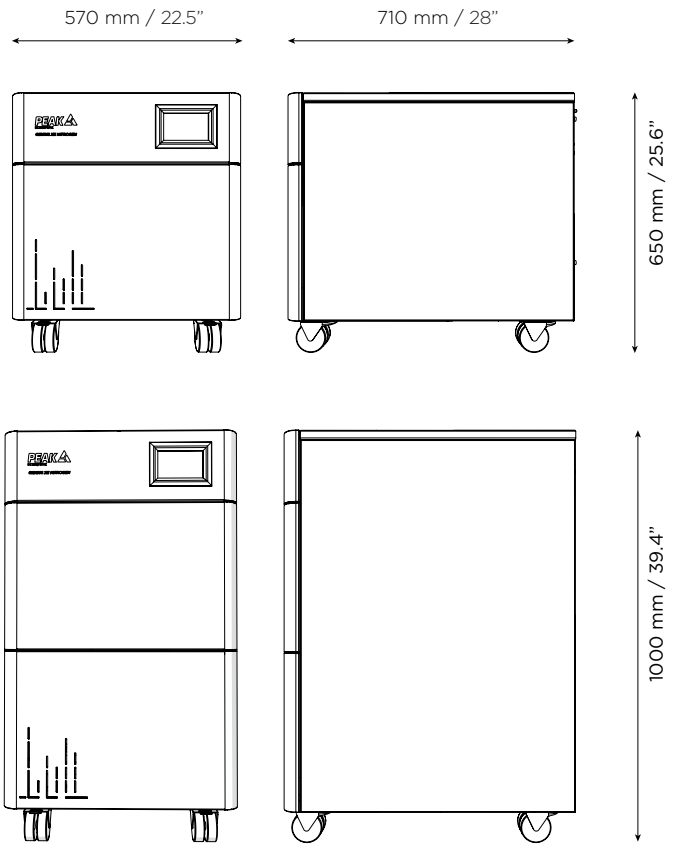
Inspired by the success of our best-selling Genius line of nitrogen gas generators for LC-MS, Genius XE Nitrogen is a cutting-edge evolution combining advanced technology with refined and robust engineering. With two models - XE 35 (up to 35 L/min) and XE 70 (up to 70 L/min) - Genius XE Nitrogen provides a premium standalone nitrogen solution for high performance LC-MS and other mission-critical laboratory applications where performance and reliability are paramount.

Featuring **Multi-Stage Purification**™ and next-generation integrated compressors with **Electronic Compressor Optimization**™ (ECO) technology, Genius XE delivers factory certifiable purity up to 99.5% on-demand, 24/7 with a convenient fixed annual service interval.

Applications

On-demand nitrogen source for:

- LC-MS including new high-sensitivity instruments
- ELSD
- Small sample evaporators
- Other laboratory applications requiring nitrogen



Key Features

- Variable flow up to 70 LPM
- Variable pressure up to 116 psi
- Multi-Stage Purification™ producing analytical grade nitrogen gas up to 99.5% purity
- 2 year comprehensive manufacturer's warranty*
- Touch-screen full colour user interface for ease of operation
- ECO (Electronic Compressor Optimisation™) technology for low energy consumption and compressor durability
- Next-generation high performance premium compressors, engineered exclusively for Genius XE
- Smaller & quieter than previous generation of Genius
- On-board service scheduling and system diagnostics
- Additional compressor capacity for lower flow applications (XE 70 only)

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Technical Specifications	Genius XE 35	Genius XE 70
Max Flow Rate	up to 35 L/min	up to 70 L/min
Max Pressure	116 psi (8 bar)	116 psi (8 bar)
Gas Outlets	1 x ¼" BSPP	1 x ¼" BSPP
Purity**	95-99.5%	95-99.5%
Max Relative Humidity	80% RH @ 31°C	80% RH @ 31°C
Max Altitude	3000m	3000m
Particles	< 0.01 µm	< 0.01 µm
Phthalates	Phthalate & BHT Free	Phthalate & BHT Free
Suspended Liquids	None	None
Non-Methane Hydrocarbon Content	< 1 ppm NMHC	< 1 ppm NMHC
Operating Temperature	5°C (41°F) to 35°C (95°F)	5°C (41°F) to 35°C (95°F)
Electrical Requirements	120VAC, 60Hz, 12A or 230VAC, 50/60Hz, 8A	230VAC, 50/60Hz, 12A
Power Consumption	960 VA (120V)/1265 VA (230V)	2530 VA
Heat Output	4118 BTU	8785 BTU
Noise Level†	56 dB	59 dB
Generator Dimensions (H x W x D)	650 x 570 x 710 mm 25.6 x 22.5 x 28 "	1000 x 570 x 710 mm 39.4 x 22.5 x 28 "
Generator Weight	92 kg / 202 lbs	147 kg / 325 lbs

Ordering Information		
Part Number	3300252 (230VAC) /3300807 (120VAC)	3300253
Annual Service Complete Maintenance Plan	**visit:** www.peakscientific.com/ordering	

** Factory certified purity with respect to O2 content. Actual purity varies in relation to flow (min. 95% at maximum flow output)

† Noise level expressed as SPL (Sound Pressure Level) measured at 1m from source in a reverberant chamber

[PEAK Protected]™

Peak Scientific gas generators define the benchmark in reliability, convenience and performance in laboratories around the world, and come backed by a 2 year warranty*. Beyond this period however you can ensure that your investment continues to be **[Protected]** by our comprehensive generator care cover.

Our world-class aftercare support packages deliver a program of scheduled preventative maintenance whilst giving you the reassurance of instant access to worldwide technical support and priority on-site response in the untimely event of a breakdown.

Year 2 of warranty subject to generator being serviced at end of year 1 by a Peak-approved agent in accordance with fixed annual maintenance schedule.
For full terms and conditions visit www.peakscientific.com/warranty-statement

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Peak Scientific's Quality Management System conforms to:
ISO 9001:2015

FM 515973

Product Certifications

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