

Genius XE Nitrogen

High performance nitrogen generator for LC-MS



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

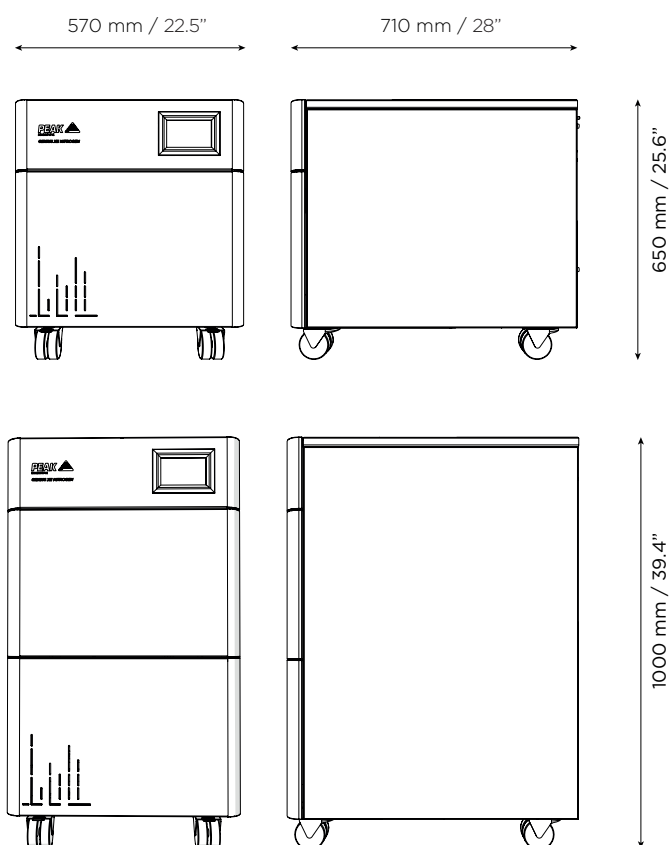
On-demand nitrogen source for:

- 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
- Redundancy (Genius XE 70 only)



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 1/4" BSPP	1 x 1/4" BSPP
Purity**	95-99.5%	95-99.5%
Max Relative Humidity	80% RH @ 31°C	80% RH @ 31°C
Max Altitude	2000m	2000m
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	15°C (59°F) to 35°C (95°F)	15°C (59°F) to 35°C (95°F)
Electrical Requirements	120VAC, 60Hz, 12A or 230VAC, 50/60Hz, 8A	230VAC, 50/60Hz, 11.3A
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	visit: www.peakscientific.com/ordering	
Complete Maintenance Plan		

** 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

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



FM 515973

Product Certifications





WolfLabs

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.