

# Genius XE SMZ

Dedicated nitrogen generator solution for Shimadzu LC-MS instruments

Part Number : 3303886

Service Kit : See reverse



Your local **gas generation** partner

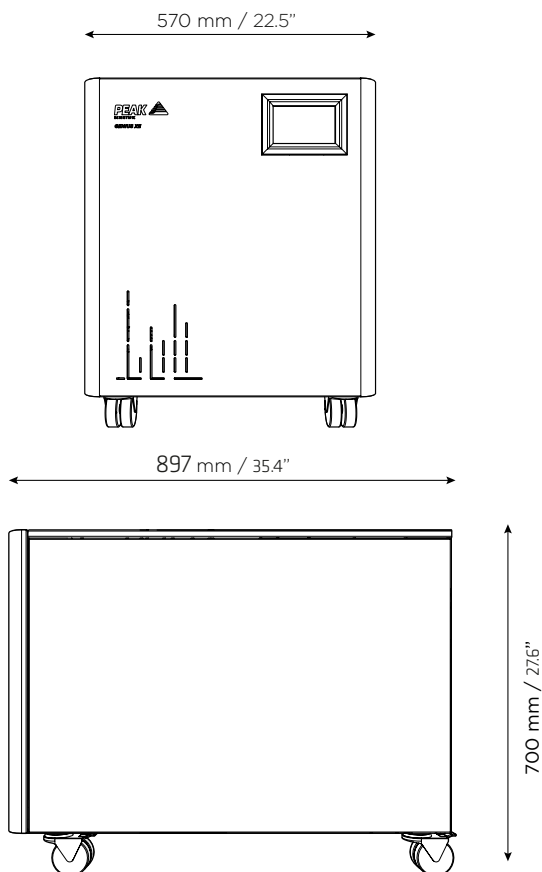
## Description

Approved and validated by Shimadzu as the gas solution for the latest high performance Shimadzu LC-MS instruments, Genius XE SMZ combines advanced technology with refined and robust engineering to provide a premium standalone on-demand nitrogen and air gas generator. Built upon the best-in-class Genius XE nitrogen generator series, Genius XE SMZ provides labs a dependable, high purity gas supply where performance and reliability are paramount.

With dual outlets (1 x nitrogen, 1 x air), Genius XE SMZ has been precision engineered to provide LC-MS grade nitrogen on-demand from a small and quiet gas generator. Featuring Multi-Stage Purification™ and next-generation integrated compressors with Electronic Compressor Optimization™ (ECO) technology, Genius XE SMZ can comfortably support the latest Shimadzu LC-MS instruments including the LCMS-8060NX.

## Applications

- Shimadzu LCMS-8060NX
- Shimadzu LCMS-9030
- Shimadzu LCMS-9050
- Shimadzu LCMS-8045 in standard or high gas delivery mode
- Shimadzu LCMS-8050 in standard or high gas delivery mode
- Shimadzu LCMS-8060 in standard or high gas delivery mode



## Features

- Validated and approved by Shimadzu to meet the demands of the latest Shimadzu LC-MS instruments
- Multi-Stage Purification™ to efficiently remove moisture and contaminants, providing a consistent quality of gas
- Low impact on lab environment with low noise and heat emissions
- Next-generation high performance premium compressors, engineered exclusively for Genius XE
- Touch-screen full color user interface for ease of use and operation
- ECO (Electronic Compressor Optimisation™) technology for low energy consumption and compressor durability
- Fixed annual maintenance schedule
- 2 year comprehensive manufacturer's warranty\*

## Technical Specification

## Genius XE SMZ

Nitrogen Maximum Flow	27 L/min @ 6.89 bar (0.95 cfm @ 100 psi)
Air Maximum Flow	29 L/min @ 6.89 bar (1.02 cfm @ 100 psi)
Dewpoint	Nitrogen ≤ -40°C Dry Air ≤ -20°C
Gas Outlets	2 x 1/4" BSPP
Drain Outlet	1 x 1/4" BSPP
Particles	<0.01µm
Phthalates	None
Suspended Liquids	None
Operating Temperature	15°C (59°F) to 30°C (86°F)
Electrical Requirements	220 - 240v ±10% 50/60 Hz
Power Consumption	1.64 kVA
Heat Output	<5545 BTU
Noise Level	57dB(A) @ 1m
Generator Dimensions (H x W x D)	700 x 570 x 897 mm 27.6 x 22.5 x 35.4"
Generator Weight	129 Kg (245 lbs)

## Ordering Information

Part Number	3303886
Annual Service	<b>visit:</b> <a href="http://www.peakscientific.com/ordering">www.peakscientific.com/ordering</a>
Complete Maintenance Plan	

## [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](http://www.peakscientific.com/warranty-statement)**

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



## Product Certifications

