

# Solaris Nitrogen

Nitrogen generator for ELSD and Compact Mass Spectrometer



Your local **gas generation** partner

## Description

Peak Scientific's Solaris nitrogen generator has been engineered using membrane technology to meet the gas delivery requirements for labs using ELSD with their High Performance Liquid Chromatography, Compact Mass Spectrometer or for TLD reader instruments. Solaris can operate with varying flow rate (up to 10L/min of high purity nitrogen), purity (up to 99.5%) and outlet pressure is adjustable to 100psi max offering a flexible solution for labs.

With a compact and space-saving chassis, Solaris can be placed on a benchtop and paired with an additional air compressor unit providing air to the system for labs without an in-house air supply or who wish to contain their gas supply in a single system.



## Applications

- Up to 2 x ELSD instruments
- 1 x Compact Mass Spectrometer
- TLD Readers



Solaris Nitrogen Dimensions

## Key Features

- Nitrogen up to 10 L/min, up to 100 psi and up to 99.5% purity
- Variable outlet flow, pressure and purity
- Compact, stackable system maximising the use of valuable laboratory floor or bench space
- Optional Solaris Air Compressor stackable module
- Colour indicative LED lighting for easy status awareness
- Manufactured and tested to highest spec in UK, CE/ FCC certified
- Safer and more convenient than pressurized cylinders, dewars or bulk storage
- 12 month on-site comprehensive warranty
- Backed by **[Peak Protected]** global on premise servicing and technical

Technical Specifications	Solaris Nitrogen
Max Flow Rate	up to 10 l/min (input dependent)
Max Pressure	up to 100 psi / 6.9 bar (user adjustable)
Purity	up to 99.5%*
Gas Outlets	1 x 1/4 " BSPP
Min/Max Air Inlet Pressure	80 psi/ 5.5 bar - 130 psi/ 8.9 bar
Min Air Inlet Flow	30 l/min
Min Inlet Air Quality	ISO8573 - 1:2010 Class 1.4.1
Contaminants	Phthalate & BHT Free
Suspended Liquids	None
Operating Temperature	5°C - 35°C / 41°F - 95 °F
Electrical Requirements	Universal 100-230 VAC / 50/60 Hz / 0.03A
Power Consumption	6.9 Watts
Heat Output	25 BTU/Hr
Generator Dimensions H x W x D	156 x 416 x 540 mm / 6.1 x 16.4 x 21.3"
Generator Weight	12 kg / 26.4 lbs

\*depending on inlet air pressure and outlet flow

Ordering Information	
Part Number	65-0001
Annual Service	08-9013
Standard Maintenance Plan	09-3010
Complete Maintenance Plan	09-3010

Solaris Air Compressor	110v	230v	Annual Service Kit
Part Number	65-0004	65-0003	08-9454

## [**PEAK** Protected]<sup>TM</sup>

Peak Scientific gas generators define the benchmark in reliability, convenience and performance in laboratories around the world, and come backed by a 12 month 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.

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Peak Scientific's Quality Management System conforms to: ISO:9001:2008



### Product Certifications

