

Precision Nitrogen Trace 1000 - GC gas generator

Application: GC & GC-MS Carrier & Detector Gas

Part number: 62-1000 (230V) | 62-1001 (110V)

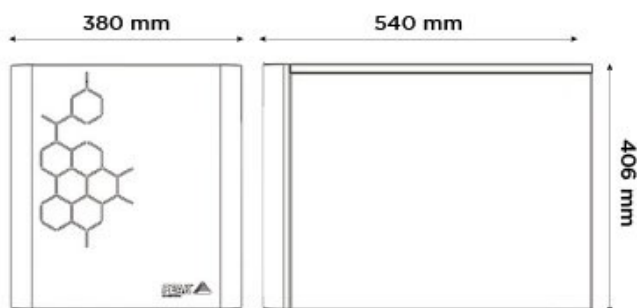
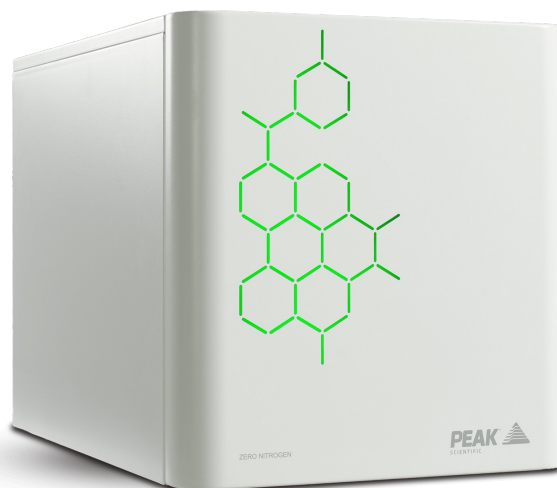


Description

The Precision Nitrogen Trace 1000 has been developed to provide a constant and consistent source of nitrogen for carrier, make-up and reference gas at trace detection levels for GC applications as well as for sample preparation. These generators are capable of delivering ultra high purity nitrogen, removing oxygen and moisture via Pressure Swing Adsorption using Carbon Molecular Sieve technology, as well as removing hydrocarbons by means of catalytic oxidation to ensure maximum purity output.

As with all Precision Series generators, the Nitrogen Trace 1000 model benefits from a compact and modular, stackable design, minimizing the total footprint required for GC gas supply, and providing flexibility to add or remove modules as your laboratory requirements evolve over time.

- **Gas types** Nitrogen
- **Integrated compressor:** No
- **Application Types:**
GC & GC-MS Carrier & Detector Gas



Key Features

- Suitable as make-up gas at standard detection limits
- Nitrogen generated on demand, as and when it is required
- Constant and consistent supply, avoid running out of gas during analysis
- Avoid contaminants entering system as result of changing over empty cylinders
- Catalyst chamber to remove hydrocarbons (as methane) to <0.05 ppm
- Dedicated Precision compressor module available where house supply not available
- Integrates seamlessly with other Precision units
- Ultra-fast start-up time, quick to reach standard operating purity
- Minimum maintenance with an annual filter change
- Compact, space-saving modular design
- 12 month comprehensive on-site warranty

Technical Specifications

Precision Nitrogen Trace 1000 - GC gas generator	
Gas Type	Nitrogen
Max Gas Flow:	1000cc/min
Max Output Pressure:	80psi/5.5bar
Hydrocarbon Content:	<0.05ppm
Max Output Pressure:	80psi/5.5bar
Max Purity:	99.9995%
Min Inlet Pressure:	120psi/8.3bar
Max Inlet Pressure:	145psi/10bar
Min Inlet Air Quality:	ISO 8753-1:2010 Class 1.4.1 or Precision Air Compressor
Start Up Time:	90 mins
Voltage:	110 / 230 ± 10% V
Frequency:	50 / 60 Hz
Current:	4.4 A / 2.1 A
Heat output:	1650 BTU/Hr
Max Operating Temp:	35°C / 95°F
Accreditations:	CSA, CE
Size (HxWxD) mm	406 x 380 x 540 mm
Size (HxWxD) Inches	16 x 15 x 21.3 inches
Generator Weight	38kg / 83.6lbs

[PEAK Protected]TM

Peak Scientific gas generators define the benchmark in reliability, convenience and performance in laboratories around the world, and come backed with 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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