

Precision Hydrogen Trace

Hydrogen Generator for GC

Part Number : 64-0500

Service Kit : 08-3610



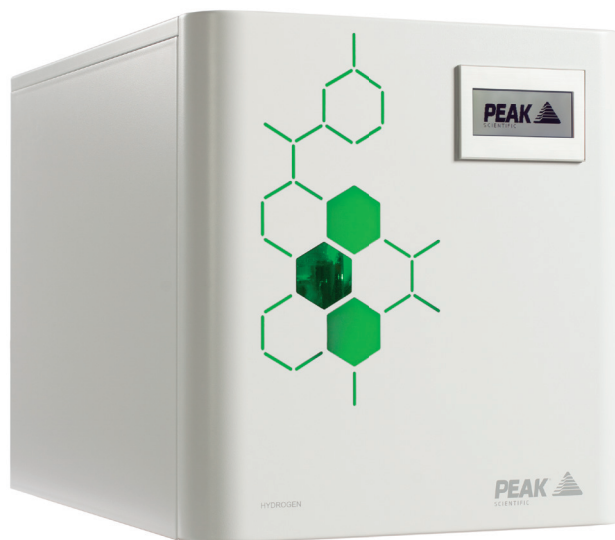
Your local **gas generation** partner

Description

The Precision Hydrogen Trace generator is designed primarily for GC carrier gas use, and can also be used for detectors requiring Hydrogen fuel gas such as FID and FPD. One generator is capable of supplying multiple GC instruments.

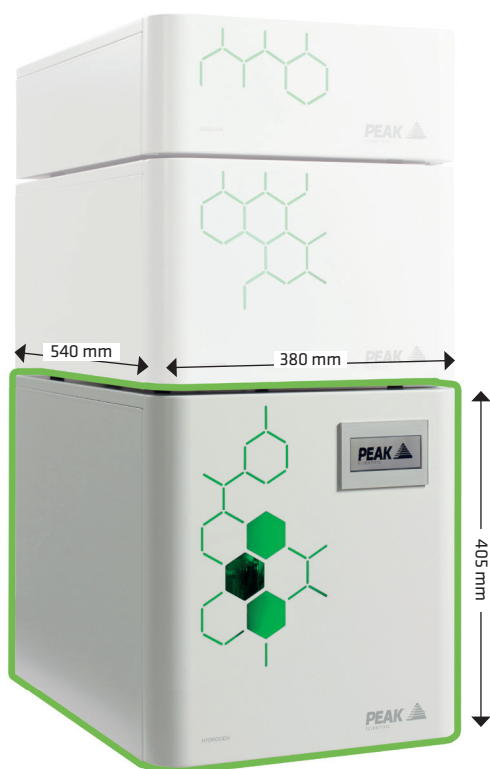
These generators offer a safe, reliable and convenient solution for those using Hydrogen for GC carrier gas, producing the highest purity of Hydrogen from the Precision range by utilising a Proton Exchange Membrane to create the Hydrogen gas from deionized water, as well as Pressure Swing Absorption and molecular sieve technology to remove moisture content down to trace levels.

Precision Hydrogen Trace generators come with many highly robust safety features as standard, allowing for peace of mind in the laboratory and a far safer, dependable and more convenient alternative to cylinder gas.



Applications

- **Carrier Gas**
 - GC-MS
 - GC
- **Detector Gas**
 - Fuel Gas



Precision Hydrogen Trace shown in a typical Precision stack.

Key Features

- Suitable for flame gas and carrier gas at trace detection limits
- 99.9999% Purity
- Internal leak detection with automatic shutdown features
- Proven PEM technology to generate hydrogen safely and reliably
- Regenerative PSA dryers to ensure highest level of purity
- Automatic loading pump as standard
- Maintenance limited to replacing de-ionizer cartridge
- Compact, space-saving modular design
- Creates hydrogen on demand, minimal storage of hydrogen in the system
- Combine multiple units for higher flow requirements
- GC in-oven hydrogen leak detector available as an optional extra
- Peak offers a 3 year cell warranty with this generator as standard.



Technical Specifications	Hydrogen Trace, 250cc	Hydrogen Trace, 500cc
Max Flow Rate	250 cc/min	500 cc/min
Max Pressure	100 psi / 6.9 bar	
Purity	99.9999%	
Dew Point	-70 °C / -94 °F	
Gas Outlets	1 x 1/8" Swagelok compression fitting	
Water Purity Requirement	<1.0µ Siemens/cm OR >1 Mohm-cm	
Water Consumption	0.17 - 0.46 L/day	0.4 - 1.2 L/day
Operating Temperature	10°C - 35°C / 50°F - 95°F	
Electrical Requirements	110-230V 50/60HZ 6A	
Power Consumption	660 Watts - 1380 Watts	
Heat Output	up to 4706 BTU/ hr	
Generator Dimensions	38.0 x 54.0 x 40.6cm / 14.9 x 21.2 x 15.9"	
Generator Weight	29 Kg (64 lbs)	
Noise Level	Silent in operation	

Ordering Information		
Part Number	64-0250	64-0500
Annual Service	08-3610	
Standard Maintenance Plan	09 - 3110	
Complete Maintenance Plan	09 - 3110	

Accessories	Water Bottle 4L	Water Bottle 8L	Hydrogen Leak Detector (GC in-oven)
Part Number	10-9016	10-9017	10-9010

[PEAK Protected]™

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

