

# Precision Hydrogen 1200

## Hydrogen Generator for GC

Part Number : See Reverse

Service Kit : See Reverse



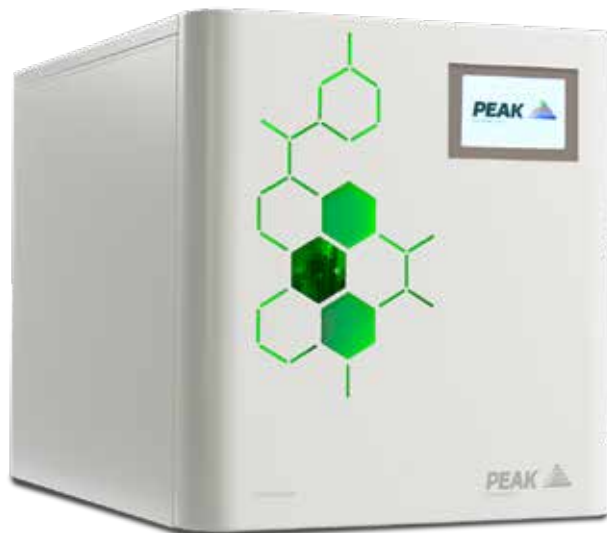
Your local **gas generation** partner

### Description

The Precision Hydrogen generators are designed to provide the gas needed for detectors requiring Hydrogen fuel gas, such as FID and FPD. One generator is capable of supplying multiple detectors, and are available in various flow rates to ideally suit individual customers' needs.

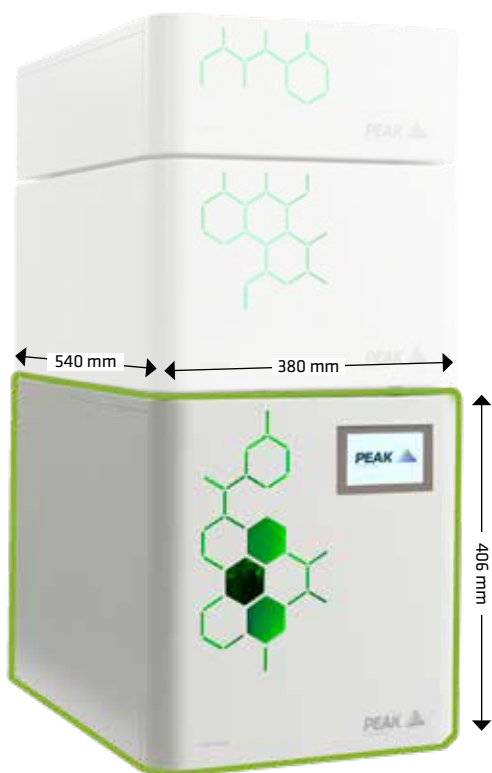
These generators utilize a Proton Exchange Membrane (PEM) to generate Hydrogen gas from deionized water, with a pressure swing adsorption (PSA) dryer used to remove residual moisture from the gas.

Precision Hydrogen gas generators come with various safety features as standard, giving you complete peace of mind in the laboratory and a far safer, dependable and more convenient alternative to cylinder gas.



### Applications

- ▶ Detector Gas
- ▶ Fuel Gas



### Key Features

- ▶ Suitable for fuel gas at standard detection limits
- ▶ 99.9995% Purity
- ▶ Internal leak detection with automatic shutdown features
- ▶ Automatic loading pump as standard
- ▶ Simple maintenance, limited to replacing de-ionizer
- ▶ Short and easy start-up and shutdown procedures
- ▶ Compact, space-saving modular design
- ▶ Creates hydrogen on demand, minimal storage of hydrogen in the system
- ▶ Capable of supporting up to 40 FID detectors

Precision Hydrogen 1200 shown in a typical Precision stack.



## Technical Specifications

	Hydrogen, 1200cc
Max Flow Rate*	1200cc/min
Max Pressure	100psi / 6.9 bar
Purity	99.9995%
Gas Outlets	1 x 1/8" Swagelok compression fitting
Water Purity Requirement	<1.0µ Siemens/cm OR >1 Mohm-cm
Water Consumption	up to 2.1 L/day
Operating Temperature	10°C - 35°C / 50°F - 95°F
Electrical Requirements	110-230V 50/60HZ 10A Max
Power Consumption	600 Watts
Heat Output	up to 1000 BTU/hr
Generator Dimensions (WxDxH)	38.0x 54.0 x 40.6cm / 14.9 x 21.2 x 15.9"
Generator Weight	31.5Kg (69.5 lbs)
Noise Level	Silent in operation

\* All flow rates are stated in sccm at 273.15K and 1.01bar

## Ordering Information

Part Number	3300843
Annual Service	www.peakscientific.com/ordering
Standard Maintenance Plan	
Complete Maintenance Plan	

Accessories	Water Bottle 4L	Water Bottle 8L
Water Bottle	10-9016	10-9017

## [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

