

# Precision Hydrogen

## 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. One generator is capable of supplying multiple detectors, and are available in various flow rates to ideally suit individual customers' needs.

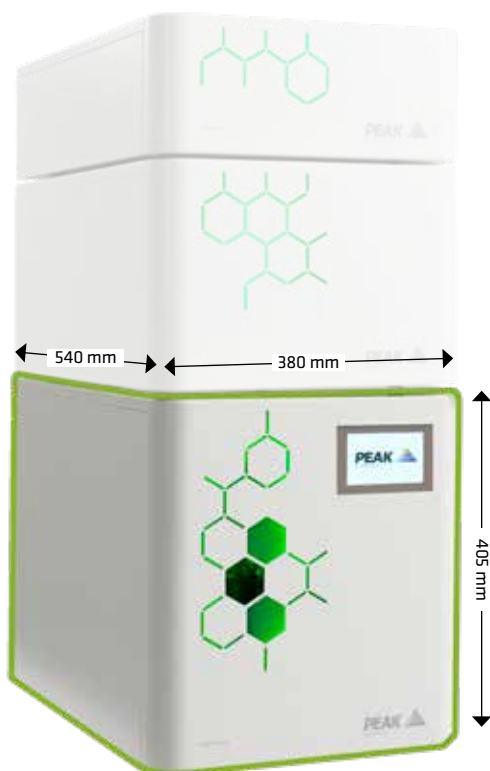
These generators utilise a Proton Exchange Membrane to create the Hydrogen gas from deionized water, and a desiccant filtration stage is used to dry the gas.

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 cartridge and silica gel
- ▶ Short and easy start-up and shutdown procedures
- ▶ Compact, space-saving modular design
- ▶ Creates hydrogen on demand, minimal storage of hydrogen in the system
- ▶ Peak offers a 3 year cell warranty with this generator as standard.

Precision Hydrogen shown in a typical Precision stack.



Technical Specifications	Hydrogen, 100cc	Hydrogen, 200cc	Hydrogen, 300cc	Hydrogen, 450cc
Max Flow Rate	100cc/min	200cc/min	300cc/min	450cc/min
Max Pressure	100 psi / 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 0.12L/ day	up to 0.24L/day	up to 0.36L/day	up to 0.53L/day
Operating Temperature	10°C - 35°C / 50°F - 95°F			
Electrical Requirements	110-230V 50/60HZ 6A(100-450cc) 2.3-4.8A(1200cc)			
Power Consumption	309-422 Watts	367-422 Watts	405-422 Watts	422 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 Kg (68.3 lbs)			
Noise Level	Silent in operation			

Ordering Information				
Part Number	63-0100	63-0200	63-0300	63-0450
Annual Service	www.peakscientific.com/ordering			
Standard Maintenance Plan				
Complete Maintenance Plan				

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

## [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

