

# Precision Hydrogen 1200

Hydrogen Generator

Part number: 3300843

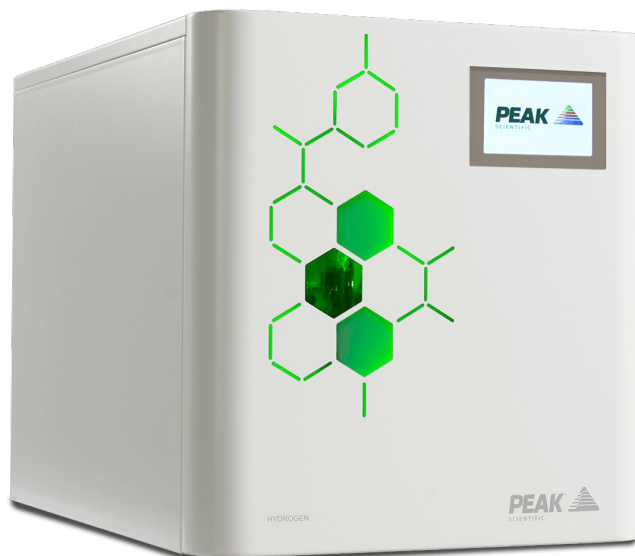


## Description

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 utilize a Proton Exchange Membrane to create the Hydrogen gas from deionized water. Following that a trace dryer block 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.



## Application Types

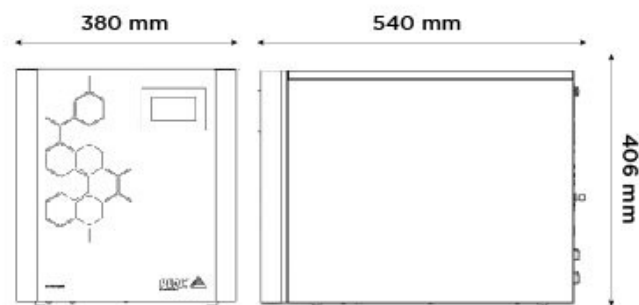
GC Detector Gas, ICP-MS Reaction Gas

## Generator Details

- **Gas types:** Hydrogen
- **Integrated compressor:** No

## Key Features

- Suitable for flame 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
- 12 month comprehensive on-site warranty
- Peak also offers a 3 year cell warranty with this generator as standard



## Technical Specifications

|                            | Precision Hydrogen 1200 Generator |
|----------------------------|-----------------------------------|
| Gas Type                   | Hydrogen                          |
| Max Gas Flow:              | 1200 *cc/min                      |
| Max Output Pressure:       | 100psi/6.9bar                     |
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| Max Purity:                | 99.9995%                          |
| Water Purity Requirements: | 1.0µ Siemens                      |
| Water Consumption:         | Up to 2.1 L/Day                   |
| Power Consumption:         | 600 Watts                         |
| Voltage:                   | 110 / 230                         |
| Frequency:                 | 50 / 60                           |
| Current:                   | 10 Amps Max                       |
| Heat output:               | 1000                              |
| Max Operating Temp:        | 35°C / 95°F                       |
| Accreditations:            | CE, CSA, FCC                      |
| Size (HxWxD) mm            | 406 x 380 x 540 mm                |
| Size (HxWxD) Inches        | 16 x 15 x 21.3 inches             |
| Generator Weight           | 31.5kg / 69.3lbs                  |

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

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

