



_Nitrogen
_Atomic Number: 7
_Atomic Weight: 14.0067
_Melting Point: 63.15 K (-210.00°C or -346.00°F)

HYDROGEN GENERATOR PH200 - 600

▼ PH200-600_
// 99.9995%_Purity_
// 200- 600cc/min_Max_Flow_Rate_

Peak Scientific Instruments is an international company focussed on producing and supporting high quality Gas Generators for the analytical instrument market.

With more than 10 years experience specializing in the development and production of laboratory Gas Generators designed for specific applications, Peak Scientific Instruments has worked closely with most of the world's leading instrument manufacturers to produce products that not only meet their requirements but also to provide the user with a consistent, safe and cost effective supply of gas on-site in the laboratory.

You can therefore be confident that your Peak Scientific Instruments Gas Generator has already been evaluated and approved by your instrument supplier to provide optimum performance, leaving you to concentrate on more important aspects of your work.

Preventative maintenance is the best way to avoid any interruption to the normal flow of work in your laboratory, for further peace of mind and to minimize instrument downtime, Peak Scientific Instruments can offer a range of Generator Service Plans via an extensive network of engineers and technical support wherever you are.

The PH200-600_



The Peak Scientific Hydrogen Gas Generator Range is designed for completely safe operation whilst providing an uninterrupted supply of Hydrogen of 200, 300 or 600cc per minute.

The Hydrogen Gas Generators use an ion exchange membrane that is extensively used in industrial and laboratory applications. The reliability of this type of membrane is assured as it was originally developed for NASA. To produce the highest purity of hydrogen that an analytical laboratory requires, Peak Scientific Instruments employs platinum catalyst technology in the electrode area.

With forced air ventilation, self checks for internal leaks on power-up and more Safety Features, the Hydrogen Generators can be safely installed in your laboratory.

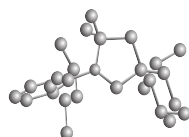
Features & Benefits

- Experience ▶▶
 - _More than 10 years of experience in the industry
- Safety ▶▶
 - _Built inline with Health & Safety Standards CEI / OSHA regulations
- Quality ▶▶
 - _High quality Hydrogen at 100 psi outlet pressure
- Convenient ▶▶
 - _Gas on demand
 - _No health hazards
 - _No need to worry



//The safer solution to your total gas requirements_

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Nitrogen
 Atomic Number: 7
 Atomic Weight: 14.0067
 Melting Point: 63.15 K (-210.00°C or -346.00°F)
 Boiling Point: 77.36 K (-195.79°C or -320.44°F)



// www.peakscientific.com // The Future Of Gas Generation Is Here_

HYDROGEN GENERATOR PH200 - 600

▼ PH200-600_
 // 99.9995%_Purity_
 // 200- 600cc/min_Max_Flow_Rate_

Hydrogen
 Atomic Number: 1
 Atomic Weight: 1.00794
 Melting Point: 13.81 K (-259.34°C or -434.81°F)
 Boiling Point: 20.28 K (-252.87°C or -423.17°F)
 Density: 0.0000988 g/cm³ cubic centimeter
 Phase at Room Temperature: Gas
 Element Classification: Non-Metal
 Period Number: 1
 Group Number: 1

Technical Specifications

	PH200	PH300	PH600
Max Flow Rate (cc/min ATP)	200	300	600
Purity (%)	99.9995		
Delivery Pressure (psi/bar)	0-100/ 0-6.9		
Gas Flow Indicator	Yes		
Dual Pressure Safety	Yes		
System Check	Yes		
Leak Detection	Yes		
Water Purity Req'd (Conductivity/Resistivity)	<1.0 uS/cm/>1.0M Ohm-cm		
Outlet Port	1/8" OD tube		
Electrical Requirements	230v/50Hz vA300		
	115v/60Hz vA300		
Power Consumption	230v - 2300 watts		
	115v - 1150 watts		
Dimensions (cms/ ins) WxDxH	31x49x42		
	12.2x19.3x16.5		
Weight (kg/ lbs)	25 / 55.11		

Features & Benefits

- ION Exchange Membrane Technology ▶▶
- Produces the highest purity of Hydrogen
- Self-Check for internal leaks on Power-Up ▶▶
- Preventing hazardous situations through automatic shut-down when a major leak occurs
- Mechanical Pressure Switch ▶▶
- Electronically isolates the entire Generator if internal gas pressure reaches 7.5 bar
- Limited Routine Maintenance ▶▶
- Replacing / Regenerating of Silica Gel desiccant and deioniser bag required
- Automatic water loading pump ▶▶
- Makes it more convenient to refill the external water tank
- Mobile ▶▶
- Flexibility to position generator where required
- Simple & User Friendly design ▶▶
- Ease of Use & Service

Ordering Information

	Part Numbers		
	UK	EU	US
PH200	20-1341	20-1231	20-1121
PH300	20-1342	20-1232	20-1122
PH600	20-1345	20-1235	20-1125



THE QUEEN'S AWARDS
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2004



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FOR ENTERPRISE
2007

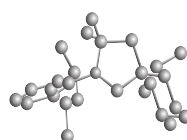
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