

Intura Hydrogen

Hydrogen generator for GC & GC-MS

Part Number : See Reverse

Service Kit : See Reverse

PEAK 
SCIENTIFIC

Your local **gas generation** partner

Description

Designed to provide high-purity hydrogen for GC carrier and detector, as well as ICP-MS and hydrogenation applications. Intura Hydrogen is the safe and convenient alternative to cylinder gas supply.

The Intura Hydrogen series can produce flow rates to suit your GC & GC-MS requirements up to 1500cc/min, with the ability to expand the capacity beyond 1500cc/min by connecting multiple generators using our daisy-chain feature.

Intura Hydrogen utilizes the latest Proton Exchange Membrane (PEM) cell technology to separate deionized water through electrolysis, alongside in-built water quality monitoring and pre- and post-filtration to ensure only the highest quality of hydrogen gas for your GC.



Applications

- GC & GC-MS Carrier Gas
- GC Detector gas
- ICP-MS
- Hydrogenation



Key Features

- 99.99999% hydrogen
- Variable flow and pressure up to 1500 cc/min at up to 175 psi
- Latest PEM technology, generating reliable and consistent source of hydrogen
- Compact design, saving valuable lab bench space
- Deionized water quality monitoring and alerts
- Safe gas supply with low internal H₂ volume, internal leak detection and auto-shutdown
- Pressure water-fill option for additional ease of use
- Low power consumption and standby mode, reducing power draw and operational carbon footprint
- Remote start/stop functionality available for user configuration
- Ready on-board remote start/stop, daisy chain (cascading) and in-oven H₂ leak detector compatibility
- 12-month comprehensive warranty, with the option to extend up to 5 years*
- 3 year PEM cell component warranty as standard

* Available only in select regions when purchased directly from PEAK Scientific

Technical Specifications	Intura H2 100	Intura H2 250	Intura H2 500	Intura H2 1000	Intura H2 1500
Max Flow Rate**	100 cc/min	250 cc/min	500 cc/min	1000 cc/min	1500 cc/min
Output Pressure	175psi / 12.1 bar				
Dewpoint	-75°C / -103°F				
Purity	99.99999% Phthalate and BHT-free				
Power Consumption	296w		422w		674w
Electrical Requirements	Universal ~100-240V 50/60HZ 6A			Universal ~100-240V 50/60HZ 10A	
Water Purity Requirement	Recommended <=0.1 µS/cm OR 10 MΩ.cm Up to a maximum of ASTM Type II (1 uS/cm) or approved DI purifier				
Dimensions (H X W x D)	324 x 330 x 520 mm / 12.7 x 12.9 x 20.5 in				
Weight	25kg / 55lbs				
Noise Level	<55dB(A)				
Max altitude	3000m				
Warranty	12 months (with option to extend up to 5 years)				
PEM Cell Warranty	36 months				
Maintenance	Annual DI Cartridge change				
Product Certifications	CE Certified (see user manual for all certifications)				

Ordering Information					
Part Number (auto-fill)	3305698-0-01	3305698-0-02	3305698-0-03	3305698-0-04	3305698-0-05
Part Number (pressure-fill)	3305698-0-11	3305698-0-12	3305698-0-13	3305698-0-14	3305698-0-15
Annual Service	www.peakscientific.com/ordering				
Standard Maintenance Plan					
Complete Maintenance Plan					
Extended Warranty					

**cc/min @ 293.15K and 101.325 kPa

[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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For a full list of our worldwide
office locations, please visit:

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