

Your local **gas generation** partner



# Smaller. Simpler. Safer.

**Streamline your GC** with Precision SL hydrogen generator

A **PEAK**  gas generation brand

Discover more at [www.peakscientific.com/precisionSL](http://www.peakscientific.com/precisionSL)

# Precision Hydrogen SL

- › **99.9995% purity** hydrogen gas on-demand
- › **Simple one-button** start-up and shutdown
- › **Innovative sealed-capsule desiccant system**, swap out easily in 60 seconds
- › **Robust safety features** including fail-safe auto-shutdown
- › **Optional auto-water fill** or pressurized deionized water fill
- › **Safety compliant** with CE certification
- › **2 year** comprehensive warranty as standard

The **smallest** and  
**easiest** to use **hydrogen**  
**generator** for GC-FID.

Precision Hydrogen SL is everything we know about hydrogen generation: streamlined to perfection for GC-FID. We've designed it to be smaller (less than a quarter the size of its predecessor), child's play to operate and maintain and above all, a safer alternative to having compressed cylinders in your lab for GC flame detector gas.



# It's all there in **black** and **white**.

They say the best things come in small packages. Not content with designing the smallest analytical grade hydrogen generator in its class, we set out to break the mould with a minimalist and streamlined aesthetic. Available in a choice of black or white, Precision Hydrogen SL brings not only convenience and productivity gains to your lab, but also a touch of style to match your GC instrumentation. If you thought using a gas generator for your GC detector would bring complexity, cost or risk to your workflow, it's time to think again. Precision Hydrogen SL removes the worry of running out of gas, unreliable equipment, expensive running costs or storing hazardous pressurized cylinders.



## **Smaller**

Precision Hydrogen SL is one of the smallest laboratory grade hydrogen gas generators available on the market, packing 100cc or 200cc flow of hydrogen into a form that is less than 20% the size of its predecessor.



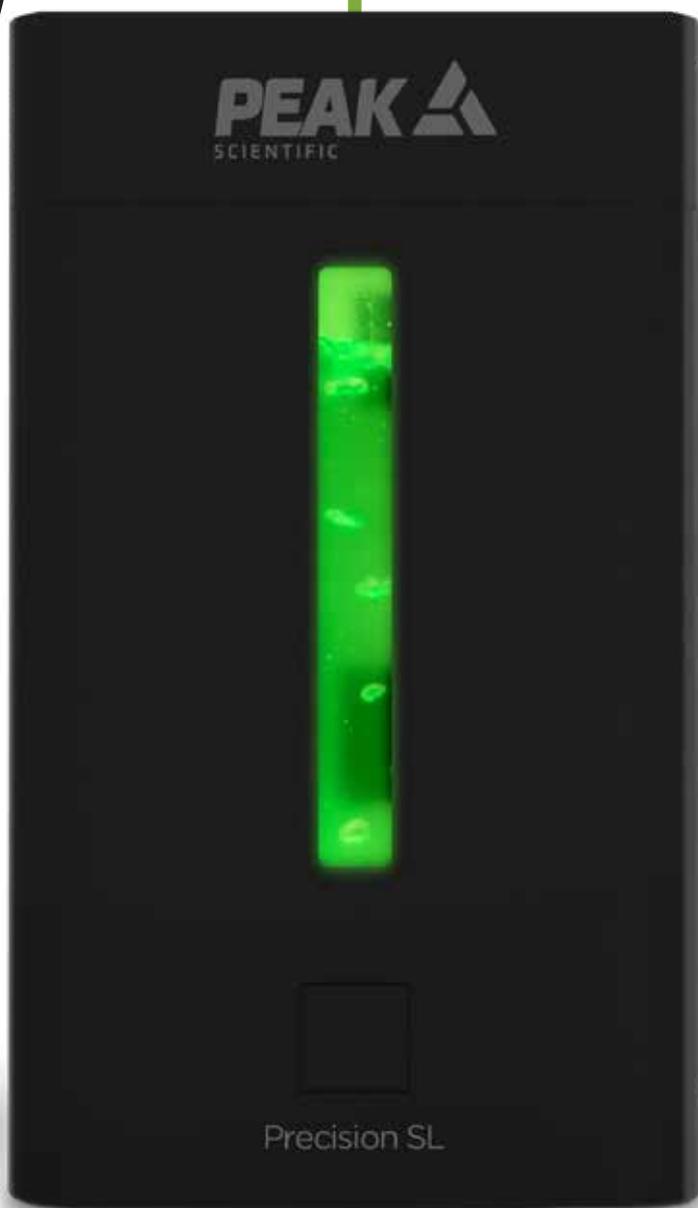
## **Simpler**

Generating Hydrogen at the push of a single button, operation couldn't be easier. What's more, replacing the proprietary desiccant capsule periodically takes less than 60 seconds, no tools required.



## **Safe**

Uncompromised safety in your laboratory. Unlike pressurized cylinders, gas is generated on-demand with minimal gas stored and advanced fail-safe technology.



Available in **black** or **white** and with two models to choose from - **100cc** and **200cc**.

**PEAK**   
SCIENTIFIC



Precision SL

# **Simplicity** to use and maintain.

Precision Hydrogen SL is a lesson in streamlined simplicity. Gas is produced at the push of one button, going into standby or power down with another push. It's that easy. What's more, periodic maintenance is just as simple. An innovative sealed-capsule desiccant system can be swapped out and replaced as needed, without technical skills or tools, in under 60 seconds. The De-ioniser cartridge is a once annual service, again changed easily in just a minute or two. No engineer visit necessary and virtually zero instrument down-time. It takes longer to switch out empty gas cylinders.

# **A safer** solution.

Hydrogen in the lab is always a source of concern. High pressure cylinders can be a risk to lab personnel handling them as well as a large volume of gas that can leak into the lab environment. With Precision Hydrogen SL in your lab, you eliminate these risks entirely. The generator produces gas only on-demand to meet instrument need and stores minimal gas in the instrument (<150mL), with an automatic fail-safe to shut off the generator in event of any leak.

# **Confidence** and peace of mind.

As with all Peak Scientific gas generators, Precision Hydrogen SL is designed and engineered to the highest quality standards in the UK and fully compliant with all safety standards including CE. You can be sure of robust and reliable performance with the backup of our industry-leading global technical support and fully comprehensive 2 year manufacturer warranty, giving you uncompromised peace of mind.

# Precision SL

## Technical Specifications

	Precision Hydrogen SL 100	Precision Hydrogen SL 200
Max Flow Rate	100cc/min	200cc/min
Max Pressure	100psi /6.9bar	
Purity	99.9995%	
Gas Outlets	1 x 1/8" Swagelok compression fitting	
Water Purity Requirement	ASTM Type II (<1.0 uS / > 1MΩ)	
Water Consumption	Up to 0.24L/day	Up to 0.24L/day
Operating Temperature	10°C - 35°C / 50°F - 95°F	
Electrical Requirements	100 - 240v ±10%/50/60 Hz/6A Max.	
Power Consumption	1.2A @240V, 220W	
Heat Output	983 BTU/hr	
Generator Dimensions (HxWxD)	250 x 160 x 355 mm / 9.9 x 6.3 x 14"	
Generator Weight	8Kg( 17.7lbs)	

## Ordering Information

Manual Fill Part Number B/W	3302946 / 3302943	3302952 / 3302949
Auto-Water Fill Part Number B/W	3302947 / 3302944	3302953 / 3302950
Presurized Water Fill Part Number B/W	3302948 / 3302945	3302954 / 3302951
Desiccant Capsule	3302581	
De-ioniser Cartridge	3302583	
Annual Service	<a href="http://www.peakscientific.com/ordering">www.peakscientific.com/ordering</a>	

**Contact us today** *to discover more!*

### North America

**Tel:** +1 866 647 1649

### China

**Tel:** +86 21 5079 1190

**Web:** [www.peakscientific.com/precisionSL](http://www.peakscientific.com/precisionSL)

### Europe

**Tel:** +44 141 812 8100

### India

**Tel:** 1 800 270 0946

**Email:** [discover@peakscientific.com](mailto:discover@peakscientific.com)