

# Precision SL 100 Hydrogen Generator

Part number: Manual Water Fill Black: 3302946 | Auto-Water Fill Black: 3302947 | Pressurized Water Fill Black: 3302948 | Manual Water Fill White: 3302943 | Auto-Water Fill White: 3302944 | Pressurized Water Fill White: 3302945



## Description

The smallest hydrogen generator for GC-FID, Precision hydrogen SL has been developed to offer a streamlined laboratory-grade hydrogen gas solution for GC flame detectors at a purity of 99.9995%. Precision hydrogen SL is safe, simple to use, easy to maintain and takes up minimal bench space.

With an impressive, streamlined form factor, Precision Hydrogen SL produces hydrogen at up to 100cc/min with no compromise on safety. A range of features ensure that Precision SL will produce hydrogen safely, storing a minimal volume of gas compared to cylinders. This generator also comes in a choice of black or white and includes a 2 year warranty as standard.



## Application Types

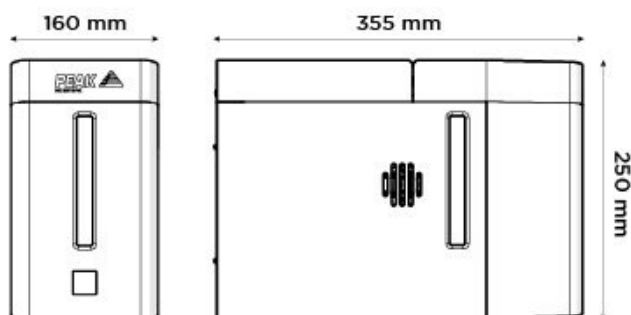
GC flame detectors

## Generator Details

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

## Key Features

- 2 models – 100cc and 200cc
- 99.9995% purity @ 100 psi
- One-button start-up and shutdown
- Easy end-user managed servicing
- Optional auto-water fill or pressurized water fill
- Auto-shutdown fail-safe feature
- CE, FCC and CSA compliant
- 2 year comprehensive warranty
- Available in black or white



## Technical Specifications

	Precision SL 100 Hydrogen Generator
Gas Type	Hydrogen
Max Gas Flow:	100 *cc/min
Max Output Pressure:	100psi/6.9bar
Hydrocarbon Content:	Hydrocarbon free
Max Output Pressure:	100psi/6.9bar
Max Purity:	99.9995%
Gas Outlets Fitting:	1 x 1/8" Swagelok compression fitting
Water Purity Requirements:	ASTM Type II (<1 µS/cm / >1 MΩ-cm)
Water Consumption:	Up to 0.12L/day
Start Up Time:	6 minutes
Power Consumption:	1.2A @ 240V, 220W
Voltage:	100-240V ±10%
Frequency:	50/60 Hz
Current:	6 Amps
Heat output:	983 BTU/hr
Max Operating Temp:	35°C / 95°F
Noise Level:	<55 (dB)
Accreditations:	CE, CSA
Size (HxWxD) mm	250 x 160 x 355 mm
Size (HxWxD) Inches	9.8 x 6.3 x 14 inches
Generator Weight	8kg / 17.6lbs

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

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