

Distribuido en España por:



HG RACK 2U PRO (SX 3080)

PEM Rack 19 inch Hydrogen generator
with ZeroAir integrated

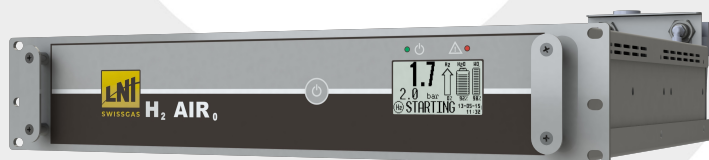
The HydroGen series **HG RACK** 19 inch **2U PRO** is able to generate up to 350 cc/min Hydrogen with purity better than 99.99999% and pressure up to 16 bar (232 PSI). An optional AirGen output can deliver hydrocarbon free pure Air with a flow up to 2000 cc/min. The HG RACK 19 inch 2U PRO includes an electrolytic cell with polymeric membrane (PEM) using distilled water. The two-column PSA drying system with automatic regeneration ensures the maximum grade of hydrogen purity, and is completely maintenance-free. The HG RACK 19 inch 2U PRO is the ideal Hydrogen and Air Generator for all GC-FID detectors. The on-board CPU constantly control the operating parameters to guarantee full safety. The touch-screen LCD interface provides simple and user-friendly management of all functions on the unit.

Main Applications

- Carrier gas for GC and GC-MS
- GC-FID / GC-NPD / GC-FPD
- THA
- Gas sensing

Main Advantages

- ✓ Quick installation
- ✓ Easy use
- ✓ Hydrogen flow rate up to 350 cc/min
- ✓ ZeroAir flow rate up to 2000 cc/min
- ✓ Pressure up to 16 bar (232 psi)
- ✓ Hydrogen purity: 99.99999%
- ✓ THC: < 0.1 ppm
- ✓ RS 485 and USB as standard
- ✓ LAN optional
- ✓ Dryer with no maintenance
- ✓ Reduced foot print: 19 inch rack 2U
- ✓ High pressure GLS electronically controlled (patented)



R Evolution
in Gas Generators

Specifications



Models: HG 2U PRO		100	160	250	300
General data					
	Electrolytic cell	PEM technology			
	Drying system	PSA (Pressure Swing Adsorption)			
	H2 purity	>99.99999% ¹			
	Outlet pressure	12 bars (174 psi) / 16 bars (232 psi) (optional)			
	H2 flow-rate cc/min (Max)	100	160	250	300
	Dimensions	Standard 19 inch 2U RACK (48 cm deep)			
	Net weight (no water in tank)	15.5 kg			
Communication					
	RS485/USB	Standard			
	LAN	Optional			
Software functions					
	Parallel mode	Ready on board			
	Automatic tank refill	Standard			
Water					
	Quality	Deionized, ASTM II, <0.1uS			
	Supply pressure (min, Max)	-0.2 bars (1.4 psi), 0.5 bar (7.25 psi)			
	Internal tank capacity	0.3 l			
Electrical data					
	Type of connection	IEC 320-C13			
	Power supply voltage	100-240 Vac 50/60 Hz			
	Installed power (Max)	350W			
	Fuse rating (5x 20 mm)	4A 250VAC			
Connections					
	Hydrogen outlet	1/8” compression fitting			
	Water (inlet, drain)	Quick release push-in fitting			
ZeroAir section (optional)					
	Inlet pressure (Max)	8 bars (116 psi)			
	THC (Inlet Air)	100ppm			
	Outlet flow rate (max)	2000 cc/min			
	Outlet pressure (max)	Inlet pressure – 0.5 bars (8 psi) at maximum flow			
	THC (ZeroAir Outlet)	<0.1ppm			
	Inlet, Outlet ports	1/8" BSPP female			

¹ Referred to O₂ - DewPoint < -75°C

Ordering codes

Gas Generators

6920.16.010
6920.16.016
6920.16.025
6920.16.030

HG 2U PRO 100
HG 2U PRO 160
HG 2U PRO 250
HG 2U PRO 300

Accessories (optionals)

6930.00.120

ZA 2U (Catalyst)

Consumable

6930.00.050

De-ionisation Cartridge



LNI GGI srl

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