

HG KUBE

PEM Hydrogen generator

The **HG KUBE** is able to generate up to 260 cc/min of Hydrogen with purity better than 99.9996% and pressure up to 9 bar (130 psi). The HG KUBE includes a cell with polymeric membrane (PEM) using distilled water. No acid or alkaline solutions are involved.

The innovative static drying system ensures the maximum grade of hydrogen purity, protects the GC thanks to its unique humidity safe guard, it is completely maintenance-free and allows continuous operation, 24 hours a day.

The on-board CPU automatically check for internal leaks and constantly control the operating parameters to guarantee full safety. Up to 20 units can be connected in parallel mode using an external control box. The touch-screen LCD interface provides simple and user-friendly management of all functions on the unit.

Main Applications

- GC-FID
- GC-NPD
- GC-FPD
- GC-PFPD
- THA
- Gas sensing

Main advantages

- ✓ PEM cell technology
- ✓ Flow rate up to 260 cc/min
- ✓ Pressure up to 9 bar (130psi)
- ✓ RS-232 port standard
- ✓ Purity: 99.9996%
- ✓ Static dryer no maintenance
- ✓ Safety routine and self monitoring
- ✓ Reduced foot print
- ✓ Smart humidity safe guard (patented)
- ✓ High pressure GLS electronically controlled (patented)



Specifications



Model: HG KUBE	260
General data	
Electrolytic cell	PEM technology
Drying system	Static dryer
H2 purity	>99.9996%
Outlet pressure	9 bars (130 psi)
H2 flow-rate (Max)	260 cc/min
Dimensions	25x30x35(H) cm
Net weight (no water in tank)	10.5 kg
Communication	
RS232	Standard
RS485	Optional
Software functions	
Parallel mode	Optional
Water	
Quality Required	Deionized, ASTM II, <0.1uS
Internal tank capacity	1.2 L
Electrical data	
Type of connection	IEC 320-C13 (desktop adapter)
Power supply voltage	100-240 Vac 50/60 Hz
Installed power (Max)	160W
Connections	
Hydrogen outlet	1/8" compression fitting
Water	Quick release push-in fitting
Operating/storage conditions	
Working Temperature	5-40°C (41-104°F)**
Storage Temperature	1-50°C (34-122°F)
Humidity (max, non condensing)	70%
Noise	< 25dB(A)
IP rating	IP20
Pollution degree rating	2 (with no aromatic compounds)
Altitude	< 2000m

** with temperature > 35°C the H2 purity could be less

Ordering codes

Gas Generators

6920.20.026

HG KUBE 260

Accessories (optionals)

6930.00.200

Desiccant column

Consumable

6930.00.050

Deionisation Cartridge



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