

# HG MINI

## PEM Hydrogen generator

### Main Applications

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

### Main advantages

- ✓ PEM cell technology with integrated tank (patented)
- ✓ Flow rate up to 300 cc/min
- ✓ Pressure up to 12 bar (174psi)
- ✓ USB port standard
- ✓ Purity: 99.999%
- ✓ Static dryer + desiccant column
- ✓ Safety routine and self monitoring
- ✓ Reduced foot print
- ✓ Smart humidity safe guard (patented)
- ✓ High pressure GLS electronically controlled (patented)



## Specifications



Model: HG MINI	150	150D	300	300D
<b>General data</b>				
Electrolytic cell	PEM technology			
Drying system	Static Dryer	Static dryer + Desiccant column	Static Dryer	Static dryer + Desiccant column
H2 purity		>99.999% <sup>*1</sup>		
Dew-Point <sup>*2</sup>	<-30°C (-22°F)	<-60°C (-76°F)	<-30°C (-22°F)	<-60°C (-76°F)
Outlet pressure		12 bars (174 psi)		
H2 flow-rate (Max)	150 cc/min		300 cc/min	
Dimensions (W x D x H)		16 x 31.5 x 27.5 cm		
Net weight (no water in tank)		10 kg		
<b>Communication</b>				
USB		Standard		
RS485		Optional		
<b>Software functions</b>				
Parallel mode		Optional		
<b>Water</b>				
Quality Required		Deionized, ASTM II, <0.1µS		
Internal tank capacity		1 L		
Autorefill		Optional		
<b>Electrical data</b>				
Type of connection		IEC 320-C13 (desktop adapter)		
Power supply voltage		100-240 (±10%) Vac 50/60 Hz		
Power (Max)		160W		
<b>Connections</b>				
Hydrogen outlet		1/8" compression fitting		
Water		Quick release push-in fitting		
<b>Operating/storage conditions</b>				
Working Temperature		5-40°C (41-104°F) <sup>*3</sup>		
Storage Temperature		1-50°C (34-122°F)		
Humidity (max, non condensing)		70%		
Noise		< 35dB(A)		
IP rating		IP20		
Pollution degree rating		2 (with no aromatic compounds)		
Altitude		< 2000m		

\*1 Referred to O2

\*2 ADP (Atmospheric Dew Point)

\*3 with temperature > 35°C the H2 purity could be less

### Ordering codes

#### Gas Generators

6920.20.015	HG MINI 150
6920.20.015.1	HG MINI 150 D
6920.20.030	HG MINI 300
6920.20.030.1	HG MINI 300 D

#### Options

6930.00.053	Autorefill for HG MINI
6930.00.054	RS 485 for HG MINI

#### Consumable

6930.00.093	N. 3 Refill for desiccant column
6930.00.055	Deionizer water filter for HG MINI



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