

### HG 5.0

#### Hydrogen generator

The **HydroGen** series **HG 5.0** is able to generate up to 700 mL/min Hydrogen with purity better than 99.999% and pressure up to 16 bar (232 PSI). The **HG 5.0** includes a new long life multilayer electrolytic cell with polymeric membrane (PEM) using distilled water. No acid or alkaline solutions are used. The inovative drying system ensures the maximum grade of hydrogen purity, protect the GC thanks it's innovative humidity safe guard, is completely maintenance-free and allows continuous operation, 24 hours a day. The on-board processor automatically check for internal leaks and constantly control the operating parameters to guarantee full safety. Up to 20 units can be connected in parallel with the cascading mode. The touch-screen LCD interface provides simple and user-friendly management of all functions on the unit.

- New long life multilayer PEM cell
- High flow rate up to 0.7 L/min
- High pressure up to 16 bar
- RS 232/485, USB and LAN
- Auto refill included
- High purity : 99.999 %
- No maintenance
- Safety routine and self monitoring
- Reduced foot print
- Smart humidity safe guard



*Smart Gas Generators*

## Specifications :

Available Flow rates	120 260 350 500 or 700 [Nml/min]
Outlet pressure	Up to 10 bar (145 PSI)
Hydrogen purity	99.999% (5.0) / Dew Point < -30°C
Hydrogen outlet	Swagelock 1/8"
Cell	Long life multilayer PEM cell
Drying system	Static dryer, no maintenance (Protected by a Humidity safe guard)
Internal water tank	3 L (autorefill management included)
Water quality	< 0.1µS
Specific Sensor	Earthquake sensor
Dimensions [WxDxH]	27x44x41 cm
Interface	LCD touch-screen
Remote control	RS 232/485 (ready for cascading option)/ USB (LAN as option)
Net Weight	max 22 Kg
Power supply	100-240VAC 50/60 Hz
Power consumption	max 480W

### Models

6920 10 012	HG5.0-120 ml/min
6920 10 026	HG5.0-260 ml/min
6920 10 035	HG5.0-350 ml/min
6920 10 050	HG5.0-500 ml/min
6920 10 070	HG5.0-700 ml/min

### Options

6930 00 010	LAN remote command
6930 00 020	Cascading Box controller
6930 00 030	H2 sensor Kit
6930 00 040	PC software

### Consummables

6930 00 050	Deionisation cartridge
6930 00 090	Carbon filter for external water tank

### Accessories

6930 00 110	5 L external water tank for autorefill
6930 00 115	10 L external water tank for autorefill
6800 57 600	Water deionisation Kit
6800 57 605	Cartridge for water deionisation Kit

### AirGen Series ZA FID Air

6920 25 015	ZA FID Air 1.5
6920 25 030	ZA FID Air 3.0
6920 25 060	ZA FID Air 6.0
6920 25 150	ZA FID Air 15.0

