

# 'HYDROGEN'

## LABORATORY HYDROGEN GAS GENERATORS

### Features:-

- LCD DISPLAY UNIT
- MICRO PROCESSOR CONTROLLED
- HIGH SAFETY, LOW INTERNAL VOLUME OF 50ml TYPICAL
- QUIET OPERATION, NO INTERNAL PUMP
- OPTIONAL REMOTE CONTROL
- IDEAL USE FOR CARRIER GAS
- LOW MAINTENANCE
- CE / CSA COMPLIANT
- 160CC—1,000 CC/MIN UNITS AVAILABLE



NobleGen offers a range of laboratory Hydrogen Gas Generators that are some of the best designed systems available. Utilising the reliable electrolytic membrane technology of producing hydrogen gas from water, the PG and NM models use the latest technology and integrate well into any laboratory environment. Available with either a drying cartridge (PG models) or maintenance free catalyst dryer (NM models) with many benefits and features. From small 160cc flow up to 1,000 cc/min NobleGen can offer a Hydrogen System to suit your requirements.

## NOBLEGEN

5 PARKER COURT  
GATESHEAD

TYNE & WEAR, NE11 9EW  
UNITED KINGDOM

TEL: +44(0)191 460 3577

FAX: +44(0)191 460 1079

E-MAIL: SALES@NOBLEGEN.CO.UK

WEBSITE: WWW.NOBLEGEN.CO.UK

### Application Industries:-

- GC-FID—Fuel gas
- GC—Carrier gas
- TOC—Fuel gas

# TECHNICAL SPECIFICATION

## LABORATORY HYDROGEN GENERATOR RANGE

PG and NM SPECIFICATIONS							
Model	Flow cc/min	Outlet pressure	Purity	Model	Flow cc/min	Outlet pressure	Purity
PG-H2160	160	1-100 psig	99.999%	NM-H2160	160	1-155 psig	99.9999%
PG-H2250	250	1-100 psig	99.999%	NM-H2250	250	1-155 psig	99.9999%
PG-H2300	300	1-100 psig	99.999%	NM-H2300	300	1-155 psig	99.9999%
PG-H2500	500	1-100 psig	99.999%	NM-H2500	500	1-155 psig	99.9999%
PGH2-600	600	1-100 psig	99.999%	NM-H2600	600	1-155 psig	99.9999%
				NM-H21000	1,000	1-155 psig	99.9999%

### Technical Data

Ambient Temp range	5-35°C (41-95°F)
Water requirement	De-ionised
Outlet Pressure	See above table
Electrical Supply	220v a.c. / 1ph / 50Hz or
	110v a.c. / 1ph / 50-60Hz
Inlet / Outlet connections	1/8" twin ferrule

### Dimensions and Weights

Model Type	Height mm (ins)	Width mm (ins)	Depth mm (ins)	Weight Kg (lbs)
PG	390 (15.3)	220 (8.6)	330 (13.0)	17 (37)
NM	430 (16.9)	230 (9.0)	353 (13.9)	18 (40)

### Standard Features

- ◆ Electrolytic cell used to produce hydrogen from water
- ◆ Digital display
- ◆ Small footprint
- ◆ Low internal volume 50ml typical
- ◆ Safety cut-out on loss of pressure
- ◆ No internal pump, quiet operation

### Options

- ◆ Remote controlled
- ◆ RS485 outlet
- ◆ Software for PC compatibility (requires RS485)



www.noblegen.co.uk