



## LABORATORY HYDROGEN GENERATORS

### Technical datasheet - MARS N Series

**MARS** Hydrogen generators are designed to satisfy the needs of research and analysis laboratories, always assuring the maximum ease of use and the highest gas purity.

**MARS** Hydrogen generators use PEM technology (Proton Exchange Membrane), which produces compressed, extra-pure hydrogen without the need for any external purification or compressor systems. **MARS** generators only require an electrical supply and distilled water, no caustic solutions are used.

**MARS** Hydrogen generators are ideal for every laboratory application: as a gas carrier for **GC-FID/GC-NPD/GC-TCD**, as a reagent gas for **GC-ELCD/GC-HALL** or as a collision gas for **ICP-MS**. Moreover, the high purity of the hydrogen produced from **MARS** generators makes them ideal for use with fuel cells and their metal hydride storage.



**MARS** Hydrogen generators are designed to satisfy every laboratory's need, always ensuring maximum ease of use and the highest gas purity.

With flow rate from 150 to 1200 mL/min, **Mars hydrogen generators** can satisfy every laboratory's gas need.

Furthermore **ErreDue** can design custom products to always ensure maximum flexibility.

**Mars Hydrogen generators** are equipped with a touchscreen display that shows, in real time, the output pressure, self-diagnostic functions with hydrogen leak detection, water level, plus Ethernet and RS 485 connections.

Output pressure is electronically adjustable using the display up to 6 bar.

**Mars Hydrogen generators** are set up to be connected in parallel.

The "N" version of Mars Hydrogen generators has a drying cartridge, which does not need any maintenance, to provide the highest gas quality at the most cost effective price.

## TECHNICAL FEATURES

		MARS 150N	MARS 250N	MARS 400N
<b>Production capacity</b>	ml/min	150	250	400
<b>Output pressure</b>	bar	0,1-8		
<b>Purity</b>	%	99,9999		
<b>Power supply</b>		110-120V 60Hz / 220-240V 50Hz		
<b>Interface</b>		Color 3.5" touch screen display		
<b>Dimensions</b>	mm	245 x 460 x 500h		
<b>Weight</b>	kg	23	23	23
<b>Gas connection</b>		1/8 SWAGELOK		
<b>Communication</b>		RS 485, Ethernet		

Provided data are indicative and may change without notice.

**H13 DS12519 ENG**



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