

## 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 **GCFID/GC-NPD/GC-TCD**, as a reagent gas for **GCELCD/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	MARS 600N	MARS 800N	MARS 1000N	MARS 1200N
PRODUCTION CAPACITY	ml/min	150	250	400	600	800	1000	1200
OUTPUT PRESSURE	bar	0,1-10						
PURITY	%	99,9999						
POWER SUPPLY		110-120V 60Hz / 220-240V 50Hz						
INTERFACE		Color 3.5" touch screen isplay						
DIMENSIONS	mm	250 x 460 x 500h						
WEIGHT	kg	23	23	23	26,5	26,5	28	28
GAS CONNECTION		1/8 SWAGELOK						
COMMUNICATION		RS 485, Ethernet						

Provided data are indicative and may change without notice.

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