LABORATORY HYDROGEN GENERATORS
Technical datasheet - MARS D 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 and gas quality alarms, plus Ethernet and RS 485 connections.

Output pressure is electronically adjustable using the display up to 10 bar.
Mars Hydrogen generators are set up to be connected in parallel.

The "D" version of Mars Hydrogen generators has a self-regenerating TSA drying system, to minimize servicing whilst maintaining high levels of gas quality.

TECHNICAL FEATURES

		MARS 150D	MARS 250D	MARS 400D	MARS 600D	MARS 800D	MARS 1000D	MARS 1200D
Production capacity	**ml/min**	150	250	400	600	800	1000	1200
Output pressure	**bar**	0.1-10 (12 optional)						
Purity	**%**	99.99999						
Power supply		110-120V 60Hz / 220-240V 50Hz						
Interface		Color 3.5" touch screen display						
Dimensions	**mm**	245 x 400 x 500h						
Weight	**kg**	25	25	25	26.5	26.5	28	28
Communication		RS 485, Ethernet						
Gas connection		1/8 SWAGELOK						

Provided data are indicative and may change without notice.

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