



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
Production capacity	ml/min	150	250	400
Output pressure	bar	0,1-6		
Purity	%	99,9999		
Power supply		110-120V 60Hz / 220-240V 50Hz		
Interface		Color 3.5" touch screen display		
Dimensions	mm	225 x 390 x 422h		
Weight	kg	17	17	17
Gas connection		1/8 SWAGELOK		
Communication		RS485-USB. PC control, LAN Ethernet		