



**Leman Instruments**



EXPERTS in design and manufacturing  
H<sub>2</sub>, N<sub>2</sub> and Zero Air GENERATORS

SWISS TECHNOLOGIES & EUROPEAN MANUFACTURING

 THE BEST OF TWO WORLDS 

**LEMAN INSTRUMENTS** is a leading European company, specialized in standard products, OEMs and in custom designed realisations involving **High Purity H<sub>2</sub>, N<sub>2</sub> Zero Air, combined solutions for FIDs, GCs, purge Air generators, CH<sub>4</sub> & CO<sub>2</sub> scrubbers, N<sub>2</sub> and multigas for LCMS with high level of communications involving Ethernet, USB, RS 485 and possibility of AK protocol integration.**

One of Leman Instruments' newest innovations is its combined technology gas genera-

tor, the **GC STATION 60LC**. The single unit incorporates an inboard compressor and is a concept unlike any other currently offered in the marketplace. This advancement is unique to our brand and has been appreciated by our customers for being incredibly practical. Combining high purity hydrogen, zero air and nitrogen generators, this product acts as a fully automated solution.

"Further developments include new communication protocols which we have established for the benefit of our customers, who will want to be provided with all of the necessary information. All of our products are part of this system; the technology and protocols can be easily integrated with systems all over the globe."

Another notable product from Leman Instruments is the range of **HYDRO 50L** 50 l/min to 15 l/min High Purity Hydrogen Generators for FID and CARRIER GAS to fit almost any type of application which needs High purity H<sub>2</sub> production close to the consumer in laboratory environment.

Based on the field proven Solid Polymer Electrolyte (PEM) cell technology, pure Hydrogen is produced at low pressure from electricity and high quality distilled water

(ZEROWATER). This process can be started on demand and does not require any caustic solution. The produced **Hydrogen is available 24/7** with constant minimum purity superior to 99.995 % and maximum at 99.99995 % at output flows of 50 ml/min to 15 l/min (depending on the model.) The H<sub>2</sub> output pressure is regulated electronically and can be set from 0.5 to 10 bar. (7 to 140 psig).

Each instrument is equipped with **high performance communication interfaces** (RS485, Ethernet, WLAN) to create a very flexible gas network with local or central control. Due to the software being focused on safety, automatic regulation and reliable communications, the **Leman's** products are easy to install, reliable, safe and pleasant to operate.

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