



# Leman Instruments

## AERO30L – DRY AIR GENERATOR MODULES



# AIR

## APPLICATIONS

### ✓ Dry Air for spectroscopy

- ✓ Reduces in operation costs.
- ✓ Return on investment within 2 years.
- ✓ Improves resolution and detection limit. Provides High pressure stability.
- ✓ Dry AIR available 24/7 at constant purity. No contamination.
- ✓ Independent source of dry AIR. Needs only dry oil-free compressed Air supply and electricity. Can be easily moved around the laboratory.
- ✓ Stackable casing for low footprint gas generator network assembly.
- ✓ Remote control from PC, I-phone and I-pad.
- ✓ Very safe operation, internal leak-test, automatic shut-down, protection against over-temperature.
- ✓ No handling, No storage, No cylinder rental fee. Internal maintenance free.

## DESCRIPTION

**LEMAN-Instruments** designed the **AERO30L** product line of **Dry Air Generator** modules, to fit almost any type of application which needs very dry AIR close to the consumer in the laboratory environment.

Based on the field proven Pressure Swing Adsorption (PSA) technology, compressed Air is filtered from particulates down to 5µm and first treated by a static dryer and finished by the dynamic drying system.

After the purification process, Air is filtered of remaining particulates down to 0.01µm and pressure is regulated electronically to the set value, between 0.5 and 7 bar.(7 to 102 psig).

Models with outflows of **3 L/min AIR** are available.

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 softwares being focused on safety, automatic regulation and reliable communications, the **LEMAN-Instruments AERO30L Dry Air Generator** modules are easy to install, reliable, safe and pleasant to operate.

# DRY AIR GENERATOR MODULES

## SPECIFICATIONS

|                            |   |
|----------------------------|---|
| <b>Models</b>              | <b>AERO30L-3</b>  |
| AIR Outflow<br>@ 1013/20°C | AERO30L-3 = 3 L/min   |
| Output AIR purity          | <ul style="list-style-type: none"> <li>▪ &lt; 50 ppm H<sub>2</sub>O (-50°C DP/-60°F DP)</li> <li>▪ particulates &lt;0.01µm</li> </ul>   |
| Output Pressure            | From 0.5 to 7 bar, adjustable by software. (7 to 102psig)   |
| Input AIR quality          | Oil free, dried compressed Air; according to DIN ISO 8573-1 class3  |
| Input AIR Pressure         | 1.5 bar(20 psig) minimum over outlet pressure. Maximum 10 bar (145psig)   |
| Manual control             | ON-OFF power switch   |
| Remote control             | <ul style="list-style-type: none"> <li>■ Through 2 potential free relay contacts (I/O),</li> <li>■ RS485 (Mod-Bus), USB.</li> <li>■ Trough Ethernet 10/100 network</li> <li>■ Trough WLAN network, with PC, I-Phone, I-Pad (option)</li> <li>■ Log book download by USB.</li> </ul> |
| Input and output fittings  | Stainless steel 1/8" compression  |
| Power supply               | Automatic switching from 90VAC to 260VAC, 47 to 63 Hz   |
| Power consumption          | AERO30L-3 : maximum 120W  |
| Dimensions                 | W=210mm/8.3ins, H=135mm/5.3ins, D=360mm/14.2ins , stackable   |
| Weight (net)               | AERO30L-3 :11.5Kg (25.3lbs)   |
| Certification              | CE, UL  |

## ORDERING NUMBERS

| Model     | Article # |
|-----------|-----------|
| AERO30L-3 | 734002    |

| Model | Article # |
|-------|-----------|
|       |           |

### LEMAN - INSTRUMENTS SAS

Archamps Technopole, 60 Avenue Marie-Curie  
F – 74160 ARCHAMPS

[info@leman-instruments.com](mailto:info@leman-instruments.com)

Telephone: +33 4 50 39 49 22

[www.leman-instruments.com](http://www.leman-instruments.com)