



Leman Instruments

AEROSTATION 50LC – ULTRA ZERO AIR GENERATOR WITH ON BOARD COMPRESSOR



AIR

APPLICATIONS

- ✓ Combustion gas for GC
- ✓ Zero gas for HC calibrators
- ✓ Carrier gas for permeation tube systems

DESCRIPTION

LEMAN-INSTRUMENTS designed the **AERO STATION 50LC** product line of **Ultra Zero AIR Generators with compressor**, to fit almost any type of application which needs independent supply of high purity AIR close to the consumer in laboratory environment.

Compressed Air, supplied from central distribution or from the external Air compressor, is first filtered from CO, CH₄ and HC ; then based on the field proven Pressure Swing Adsorption (PSA) technology, CO₂, moisture and remaining HC are removed. After the purification process, UHP Air is filtered of remaining particulates down to 0.1µm and pressure is regulated electronically to the set value, between 0.5 and 7bar.

Models with outflows of **1.5, 3, 6 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 software being focused on safety, automatic regulation and reliable communications, the **AERO STATION 50LC** are easy to install, reliable, safe and pleasant to operate.

BENEFITS

- ✓ Reduces in operation costs. Return on investment within 15months.
- ✓ Improves resolution and detection limit. Provides High pressure stability.
- ✓ ZERO AIR available 24/7 at constant purity. No contamination.
- ✓ Independent source of High Purity AIR. Does not require any piping. Can be easily moved around the laboratory.
- ✓ Remote control from PC, I-phone and tablet.
- ✓ Low noise compressor < 55dB(A)).
- ✓ Long life compressor with power economy function.
- ✓ Very safe operation, internal leak-test, automatic shut-down, protection against over-temperature.
- ✓ No handling, No storage, No cylinder rental fee.

AEROSTATION 50LC

SPECIFICATIONS

Models	AEROSTATION 50LC-1.5, AEROSTATION 50LC-3, AEROSTATION 50LC-6,
AIR Outflow @ 1013/20°C	AEROSTATION 50LC-1.5 = 1.5 L/min ; AERO STATION50L-3 = 3 L/min; AEROSTATION 50LC-6 = 6 L/min
Output AIR purity	<ul style="list-style-type: none"> ▪ < 10ppm H2O (<-60°C DP) ▪ < 50 ppb HC ▪ < 50 ppb CO and CH4 ▪ particulates <0.1µm
Output Pressure	Adjustable from 0.5 to 8 bar. (7 to 120psig)
Compressed AIR	Supplied by internal oil free piston compressor
Manual control	Through a 4.3" TFT-LCD color display with touch screen, located on the front panel. Display of major parameters, functioning status and alarms. Intuitive navigation to functions by menus and sub menus.
Remote control	<ul style="list-style-type: none"> ■ USB. RS485 (Mod-Bus) or Display ■ Trough Ethernet 10/100 network ■ Trough WLAN network, with PC, I-Phone, Tablet (option) ■ Log book download by USB.
Sound pressure	< 55 dB(A), measured at 1m
Ambient Temperature	+10 to +40°C
Outlet fitting	Stainless steel 1/8" , or 1/4" compression
Power supply	From 90VAC to 120 VAC, 50-60Hz, or 220 VAC to 260VAC, 50-60 Hz
Power consumption	AERO STATION 50LC-x : max. 700W
Dimensions	W=230mm, H=600mm, D=550mm with castors
Weight (net)	AEROSTATION 50LC-1.5 to AEROSTATION 50LC-6 :27Kg
Certification	CE

ORDERING NUMBERS

Model	Article #
AEROSTATION50LC-1.5	744501
AEROSTATION50LC-3	744502

Model	Article #
AEROSTATION50LC-6	744503

LEMAN - INSTRUMENTS SAS

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

info@leman-instruments.com

Telephone: +33 4 50 39 49 22

www.leman-instruments.com