



Leman Instruments

OXYSTATION 40LC – HIGH PURITY OXYGEN GENERATOR WITH ON BOARD COMPRESSOR



O₂

APPLICATIONS

- ✓ NOX efficiency tester
- ✓ Any application that require O₂

DESCRIPTION

LEMAN-INSTRUMENTS designed the **OXYSTATION 40LC** product line of **High Purity Oxygen Generator** with on board **Air compressor**, to fit almost any type of application which needs independent supply of pure Oxygen close to the consumer in laboratory environment.

Compressed Air is first filtered from particulates down to 5µm and dried by a static dryer. Based on the field proven Pressure Swing Adsorption (PSA) technology, Oxygen is then extracted from a set of filters filled up with CMS. After the extracting process, O₂ is stored in a buffer and filtered of remaining particulates down to 0.01µm; finally output pressure is regulated electronically to the set value, between 0.5 and 5 bar (7 to 72 psig).

Models with outflows of **250, 500, 1000Nml/min O₂** are available with **purity >99.999% O₂**

Each instrument is equipped with high performance communication interfaces (USB, RS485, Ethernet and 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 **OXYSTATION 40LC** are easy to install, reliable, safe and pleasant to operate.

BENEFITS

- ✓ Reduces in operation costs. Return on investment within 15 months.
- ✓ Improves reproducibility of measurements. Provides High pressure stability.
- ✓ Oxygen available 24/7 at constant purity. No contamination.
- ✓ Independent source of O₂. Does not require any piping. Can be easily moved around the laboratory.
- ✓ Remote control from PC, I-phone and Tablet.
- ✓ Low noise compressor
- ✓ Long life compressor with power economy function.
- ✓ No handling, No storage, No cylinder rental fee.

OXYSTATION 40LC

SPECIFICATIONS

Models	OXYSTATION 40LC-250, OXYSTATION 40LC-500, OXYSTATION 40LC-1000
N2 Outflow @ 1013/20°C	OXYSTATION40LC-250 = 0.25 NI/min ; OXYSTATION40LC-500= 0.5 NI/min OXYSTATION40LC-1000= 1 NI/min
Output O2 purity	<ul style="list-style-type: none">▪ > 99.999% O2▪ < -50°C dew point▪ particulates <0.01µm
Output O2 Pressure	From 0.5 to 5 bar, adjustable by software. (7 to 72psig)
Compressed AIR	Supplied by internal silent, 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, pressure, functioning status and alarms. Intuitive navigation to functions by menus and sub menus.
Remote control, Communications	<ul style="list-style-type: none">■ USB. RS485 (Mod-Bus) or Display..■ Trough Ethernet 10/100 network (option)■ Trough WLAN network, with PC, I-Phone, I-Pad (option)■ Log book download by USB.
Sound pressure	< 55 dB(A), measured at 1m
Ambient Temperature	+10 to +35°C
Output fitting	Stainless steel 1/8" compression
Power supply	From 90VAC to 120 VAC, 50-60Hz, or 220 VAC to 260VAC, 50-60 Hz
Power consumption	OXYSTATION40LC-x : maximum 400W
Dimensions	W=230mm, H=600mm, D=500mm with castors
Weight (net)	OXYSTATION40LC-x : 35Kg
Certification	CE

ORDERING NUMBERS

Model	Article #
OXYSTATION40LC-250	749101
OXYSTATION40LC-1000	749103
WLAN Interface option	745182

Model	Article #
OXYSTATION40LC-500	749106

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