



Leman Instruments

OXY40L – HIGH PURITY OXYGEN GENERATOR WITH ON BOARD COMPRESSOR

O₂



APPLICATIONS

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

DESCRIPTION

LEMAN-INSTRUMENTS designed the **OXY 40L** product line of **High Purity Oxygen Generator**, to fit almost any type of application which needs independent supply of pure Oxygen close to the consumer in laboratory environment.

Based on the field proven Pressure Swing Adsorption (PSA) technology, Oxygen is extracted from a set of filters filled up with different molecular beds. 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 **500, 1000, 4000, 7000 Nml/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 **OXY40L** 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.
- ✓ Long life compressor with power economy function.
- ✓ No handling, No storage, No cylinder rental fee.

OXY40L

SPECIFICATIONS

Models	OXY40L-500, OXY40L-1000, OXY40L-4000, OXY40L-7000
N2 Outflow @ 1013/20°C	OXY40L-500 = 0.5 NI/min ; OXY40L-1000= 1 NI/min OXY40L-4000= 4 NI/min ; OXY40L-7000= 7NI/min
Output O2 purity	<ul style="list-style-type: none">▪ App. 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	Oil free, dried compressed Air; according to DIN ISO 8573-1 class3
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■ Trough WLAN network, with PC, I-Phone, I-Pad (option)■ Log book download by USB.
Sound pressure	< 45dB(A), measured at 1m
Ambient Temperature	+10 to +35°C
Output fitting	Stainless steel 1/8" compression / any connector requested by customer
Power supply	From 90VAC to 260VAC, 47 to 63 Hz
Power consumption	OXY40L-x : maximum 150W
Dimensions	W=230mm, H=600mm, D=500mm for OXY40L-500 & 1000 W=700mm, H=800mm, D=700mm for OXY40L-4000 & 7000
Weight (net)	OXY40L-500 & 1000: max. 40Kg OXY40L-4000 & 7000: max. 110Kg
Certification	CE

ORDERING NUMBERS

Model	Article #
OXY40L-500	729201
OXY40L-1000	729203

Model	Article #
OXY40L-4000	729206
OXY40L-7000	729208

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