



Leman Instruments

DUO18LCMS – GAS STATION FOR BRUKER EVOQ TQ LC/MS



N₂ + AIR

APPLICATION

- ✓ **N₂ + ZERO AIR Generator for BRUKER EVOQ TQ LC/MS**
- Source gas (Zero Air)
- Exhaust gas (Dry Air)

DESCRIPTION

LEMAN-Instruments designed the **DUO18LCMS Gas Station** to meet the Nitrogen and Air flows, purities and pressures required by the BRUKER EVOQ TQ LC/MS Series.

Functioning Principe: Partially dried compressed Air is provided by the internal oil-free scroll, low noise and low vibration compressor module. The line of compressed Air aliments a first single stage Pressure Swing Adsorption (PSA) unit, where Nitrogen with purity >99% is then extracted from AIR by a set of filters filled up with CMS; a second single stage PSA unit dries and purify Air. Output lines are regulated to the set values and filtered of remaining particulates down to 0.1µm. The DUO18LCMS Gas Station is equipped with a Power Economy Function which switches off the compressor when Air consumption is reduced or stopped.

Each instrument is equipped with high performance communication interfaces RS485,USB, Ethernet 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 DUO18LCMS Gas Station** is easy to install, reliable, safe and pleasant to operate.

BENEFITS

- ✓ Reduces in operation costs. Return on investment within 18 months. Integrated Power Economy function.
- ✓ Gas sources available 24/7 at constant purity. No contamination.
- ✓ Independent sources of High Purity N₂ and Zero Air. No phtalates, no liquid in suspension.
- ✓ Integrated oil-free scroll Air compressor with Air treatment. Can be easily moved around the laboratory.
- ✓ Low functioning noise
- ✓ Remote control from PC, I-phone and tablet.(options)
- ✓ Very safe operation, internal leak-test, automatic shut-down, protection against over-temperature.
- ✓ No handling, No storage, No cylinder rental fee.
- ✓ Long life compressor.

GAS STATION FOR BRUKER EVOQ TQ LC/MS

SPECIFICATIONS

Model	DUO18LCMS-32/50
Gas outflows @ 1013/20°C	Gas1 : 50 NI/min ZERO AIR Gas2 : 32 NI/min N2
Gases purity	Gas1/Gas2 : dew point< -60°C Gas2 : >99% N2
Output Pressures	Gas1 : maximum 5.5 bar Gas2 : maximum 5.5 bar
Compressed AIR	Supplied by internal Oil free scroll compressor. Automatic drying. Power Economy function.
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, Communications	<ul style="list-style-type: none">■ USB. RS485 (Mod-Bus) or Display..■ Trough Ethernet 10/100 network (option)■ Log book download by USB.
Outlet fittings	BSP female ¼" cylindrical
Noise level	< 53 dB(A) @ 1m
Power supply	100 to 120 VAC 50-60 Hz or 220 to 240VAC, 50 to 60 Hz
Power consumption	max. 2200W
Dimensions	W=55cm, H=120cm, D=80cm (castors included)
Weight (net)	180Kg
Certification	CE

ORDERING NUMBERS

Model	Article #
DUO18LCMS 32/50-230V	757302

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