

NITRO ELSD

Fits almost any ELSD Detector that needs a high flow of dry and pure Nitrogen

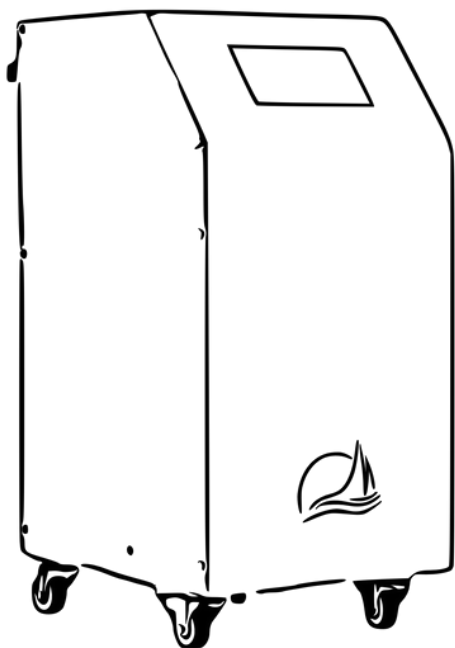


DESCRIPTION:

LEMAN Instruments designed the NITRO ELSD product line of Nitrogen Generators to fit almost any ELSD Detector that needs a high flow of dry and pure Nitrogen (> 99%) in a laboratory environment.

Dry and clean compressed air, supplied by an external source, is first filtered from particulates down to 5µm. Based on the field-proven Pressure Swing Adsorption (PSA) technology, Nitrogen is extracted from a set of filters filled with high-efficiency CMS. After the extracting process, N₂ is filtered of remaining particulates down to 0.01 µm, and pressure is regulated electronically to the set value, between 0.5 and 7 bar (7 to 102 psig).

A model with a max 10 NL/min N₂ outflow is available. Each instrument is equipped with modern, high-performance communication interfaces, including Ethernet, as standard to create a very flexible gas network with local or central control.



APPLICATION TYPES:

- ELSD Detectors
- Sterilization
- Turbo Vaporizer
- Life science research
- Cell cultures
- Protection gas
- 3D Printing

FEATURES:

- Reduces in operation costs. Return on investment within 18 months.
- N₂ is available 24/7 at constant purity. No contamination.
- Independent source of dry N₂. Needs only a dry, oil-free compressed air supply and electricity. It can be easily moved around the laboratory.
- Low functioning noise
- Remote control
- Very safe operation, internal leak-test, automatic shut-down.
- No handling, No storage, No cylinder rental fee.
- Internal maintenance free.



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Leman Instruments

MODELS	NITRO ELSD-10
LPM Outflow @1013 HPA / 20°C	NITRO ELSD-10: 10 LPM
N2 purity	• 99% N2 • particulates <0.1pm
Dew Point	-30°C
Outlet Pressure	From 0.5 to 7 bar (7 to 102 psig)

Dimensions cm / in	L: 40.5cm / l: 32.5cm / H: 69cm L: 15.7in / l: 12.5in / H: 27.1in
Net weight (kg/lbs)	45kg/99lbs

Compressed AIR	Oil-free, dried compressed air; according to DIN ISO 8573-1 Class 3
Manual control	Through a 7" TFT-LCD color touchscreen 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	Through Ethernet 10/100 network
Input & Output fittings	NITRO-ELSD: G3/8"; outlet Stainless steel 1/4" compression
Power consumption (max at full flow)	Maximum 300W

