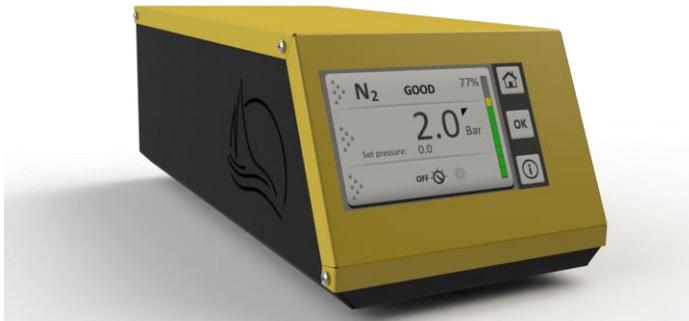




Leman Instruments

SWISS TECHNOLOGY

LISAS N2 –HIGH PURITY NITROGEN GENERATOR



N2

APPLICATIONS

- ✓ Makeup gas for GC, without organic compound trace.
- ✓ ICP, ELSD, CORONA, incubators
- ✓ Carrier gas
- ✓ Any application that require N2 at this purity

DESCRIPTION

The models LISAS N2 are designed to supply any analytical application that require this purity and outflow of N2. This model is to be used exclusively in a laboratory environment. With this generator the customer will never be closest to his Nitrogen production.

Based on the field proven Pressure Swing Adsorption (PSA) technology, Nitrogen is extracted from a set of filters filled up with CMS. After the extracting process, N2 is then stored in a buffer and filtered of remaining particulates down to 0.1µm; finally output pressure is regulated electronically to the set value, between 0.5 and 5 bar.

The produced Nitrogen is available 24/7 with constant purity at **99.999%** with an output flows of **250 or 500 Ncc/min** based on the model choice

Each instrument is equipped with an Ethernet and WIFI communication system 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 LISAS N2 generators are easy to install, reliable, safe and extremely simple to operate.

BENEFITS

- ✓ Reduces in operation costs. Return on investment within 6 months.
- ✓ Improves resolution and detection limit. Improves baseline stability.
- ✓ Nitrogen available 24/7 at constant purity. No contamination.
- ✓ Independent source of N2. Does not require any piping. Can be easily moved around the laboratory.
- ✓ Low noise
- ✓ Long life
- ✓ No handling, No storage, No cylinder rental fee.

LISAS N2 – HIGH PURITY NITROGEN GENERATOR

SPECIFICATIONS

Models	LISAS N2-250, LISAS N2-500
N2 Outflow @ 1013/20°C	LISAS N2-250 = 250 Nml/min LISAS N2-500 = 500 Nml/min
Output N2 purity	> 99.999% N2
Output N2 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
Compressed AIR Pressure	2 bar(30 psig) minimum over output pressure. Maximum 9 bar (130psig)
Manual control	Through a 4.3" TFT-LCD color display with touchpad, 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">■ Trough Ethernet 10/100 network■ Trough WLAN (WIFI)
Sound pressure	< 50 dB(A), measured at 1m
Ambient Temperature	+10 to +35°C
Outlet fitting	Stainless steel 1/8" compression
Power supply	From 90VAC to 260VAC, 47 to 63 Hz
Power consumption	LISAS N2: maximum 200W
Dimensions	W=210mm/8.2ins, H=160mm/16ins, D=430mm/16ins, stackable
Weight (net)	LISAS N2 : 15 Kg / 30Lbs
Certification	CE

ORDERING NUMBERS

Model	Article #
LISAS N2-250	74-8002

Model	Article #
LISAS N2-500	74-8004

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