

N2ZA 65 LC

High-Purity Nitrogen and Zero-Air generator



DESCRIPTION:

LEMAN Instruments designed the N2ZA 65 LC product line of High-Purity Nitrogen and Zero-Air generators with the compressor to supply independently N₂ and AIR for GC-FID, carrier gas for GC, close to the consumer in an elegant casing with a full-color display and touchscreen.

The N2ZA 65 LC comprises a high-purity Nitrogen generator, a Zero-Air generator, and an oil-free piston air compressor.

Each gas, N₂, and air is dried and purified or extracted by the Pressure Swing Adsorption (PSA) technology. N₂ & AIR output pressures are regulated from 0.5 to 5 bar.

Gases are available 24/7 with constant purity.

Each instrument is equipped with high-performance communication interfaces, Ethernet as standard (WLAN as an option), to create a very flexible gas network with local or central control.

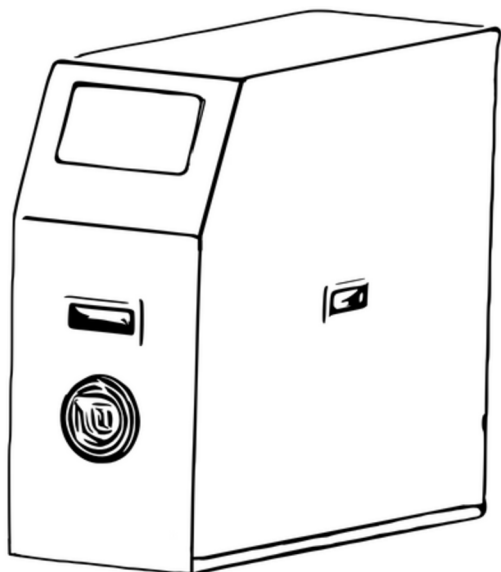


APPLICATION TYPES:

- Makeup gas, GC-FID
- Carrier gas for GC

FEATURES:

- Reduces in operation costs. Return on investment within 15 months
- Improves resolution and detection limit versus Helium-only usage. Provides high pressure stability
- N₂ and Zero Air are available 24/7 at constant purity. No contamination
- Independent source of Nitrogen and Zero Air that does not require complex piping and can be easily moved around the laboratory
- Low noise compressor
- Very safe operation, internal leak-test, automatic shut-down, over-pressure valve, current and voltage limits
- No handling and storage of cumbersome gas cylinders. There is no cylinder rental fee
- Long-life compressor with power economy function



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MODELS	N2ZA 65 LC-500/3
LPM O2 Outflow @ 1013/20°C	ZA: 3 LPM N2: 0.5 LPM
AIR Purity	< 1 ppm H2O
N2 Purity	> 99.99995%
Dew point	-70°C / -70°C / -70°C or <1ppm H2O for each gas
Outlet Pressure	0.5 – 5 bar (7 – 72 psig) for 2 gases

Dimensions cm / in	L: 60cm / I: 22.5cm / H: 50cm L: 23in / I: 9in / H: 20in
Net weight (kg/lbs)	39kg/85lbs

Compressed AIR	Supplied by internal oil-free piston compressor
Manual control	Through a 7" TFT-LCD color display with a touch screen 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	• RJ45 / USB / RS485 • Through Ethernet 10/100 network • Log book download by USB
Input & Output fittings	Stainless steel 1/8" compression / any connector requested by the customer
Power supply	260 VAC & 63 Hz
Power consumption (max at full flow)	Maximum 650W
Ambient temperature	+5 to +35°C

