

N2ZA 65 RC

High-Purity Nitrogen and Zero-Air generator



DESCRIPTION:

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

The N2ZA 65 RC is composed of a high-purity Nitrogen generator, a Zero-Air generator, and an oil-free piston air compressor.

Each gas, N₂, and AIR is dried, 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, USB, RS485, and Ethernet, as standard (WLAN as an option), to create a very flexible gas network with local or central control.

The software's focus on safety, automatic regulation, and reliable communications makes the N2ZA 65 RC easy to install, reliable, safe, and pleasant to operate.

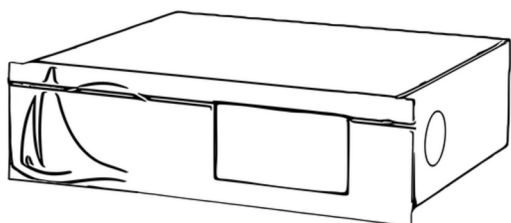


APPLICATION TYPES:

- 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.



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MODELS	N2ZA 65 RC-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: 55cm / l: 41.5cm / H: 12cm (3U) L: 21.6in / l: 16.1in / H: 4.7in (3U)
Net weight (kg/lbs)	35kg/77lbs

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

