



Leman Instruments
SWISS TECHNOLOGY

LISAS ZA –HIGH PURITY ZERO AIR GENERATOR



AIR

APPLICATIONS

- ✓ Combustion gas for FID & GC
- ✓ Zero gas for HC calibrators
- ✓ Carrier gas for permeation tube systems
- ✓ Any application that require ZA at this purity

BENEFITS

- ✓ Reduces in operation costs.
Return on investment within 6 months.
- ✓ NO maintenance.
- ✓ Improves resolution and detection limit.
Provides High pressure stability.
- ✓ AIR available 24/7 at constant purity.
No contamination.
- ✓ Independent source of High Purity AIR.
Needs only dry oil-free compressed Air supply and electricity. Can be easily moved around the laboratory.
- ✓ Stackable casing for low footprint gas generator network
- ✓ Remote control via Ethernet or WIFI
- ✓ Very safe operation, internal leak-test, automatic shut-down, protection against over-temperature.
- ✓ No handling, No storage, No cylinder rental fee.

DESCRIPTION

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

Compressed Air passes throughout a hot catalytic chamber to remove CO, CH₄ and HC. After the purification process, Air is filtered of remaining particulates down to 0.01µm and pressure is regulated to the set value, between 0.5 and 10 bar.(7 to 140 psig).

The produced Zero Air is available 24/7 with constant purity with an output flows of **3 or 6 NL/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 ZA generators are easy to install, reliable, safe and extremely simple to operate.

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SPECIFICATIONS

Models	LISAS ZA-3, LISAS ZA-6
AIR Outflow @ 1013/20°C	LISAS ZA-3 = 3 NL/min LISAS ZA-6 = 6 NL/min
Output AIR purity	<ul style="list-style-type: none">▪ < 0.05 ppm HC▪ < 0.05 ppm CO and CH4▪ particulates <0.01µm
Output Pressure	Adjustable from 0.5 to 10 bar. (7 to 140psig)
Compressed AIR	Oil free, dried compressed Air; according to DIN ISO 8573-1 class3
Compressed AIR Pressure	1 bar(15 psig) minimum over output pressure. Maximum 11 bar (160psig)
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	<ul style="list-style-type: none">■ Trough Ethernet 10/100 network■ Trough WLAN (WIFI)
Outlet fittings	Stainless steel 1/8" compression
Power supply	From 90VAC to 260VAC, 47 to 63 Hz
Power consumption	LISAS ZA max. 300W
Ambient temperature	+5 to +35°C
Dimensions	W=210mm/8.2ins, H=160mm/16ins, D=430mm/16ins, stackable
Weight (net)	LISAS ZA : 9 Kg / 20Lbs
Certification	CE

ORDERING NUMBERS

Model	Article #	Model	Article #
LISAS ZA-3	73-8002	LISAS ZA-6	73-8004

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