

NITRO STATION 30LC – PURE NITROGEN GENERATOR WITH ON BOARD COMPRESSOR



N₂

APPLICATIONS

- ✓ ICP, ELSD, CORONA, incubators
- ✓ Protection gas for cell culture
- ✓ Carrier gas for calibrators

DESCRIPTION

PEUS-Instruments designed the **NITRO STATION 30LC** product line of **Pure Nitrogen Generator with Air compressor**, to fit almost any type of application which needs independent supply of pure Nitrogen close to the consumer in laboratory environment.

Compressed Air is first filtered from particulates down to 5µm and dried by a static dryer. Based on the field proven Pressure Swing Adsorption (PSA) technology, Nitrogen is then extracted from a set of filters filled up with CMS. After the extracting process, N₂ is 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.(7 to 72 psig).

Models with outflows of **1, 2 and 4L/min N₂** are available.

Each instrument is equipped with high performance communication interfaces (RS485, Ethernet, WLAN) to create a very flexible gas network with local or central control.

Due to the softwares being focused on safety, automatic regulation and reliable communications, the **PEUS-Instruments NITROSTATION 30LC** are easy to install, reliable, safe and pleasant to operate.

BENEFITS

- ✓ Reduces in operation costs. Return on investment within 15 months.
- ✓ Improves reproducibility of measurements.
- ✓ 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.
- ✓ Remote control from PC, I-phone and I-pad.
- ✓ Low noise compressor < 50dB(A)).
- ✓ Long life compressor with power economy function.
- ✓ No handling, No storage, No cylinder rental fee.





NITRO STATION 30LC

SPECIFICATIONS

Models	NITRO STATION 30LC-1, NITRO STATION 30LC-2, NITRO STATION 30LC-4.
N2 Outflow @ 1013/20°C	NITROSTATION30LC-1 = 1 NI/min ; NITROSTATION30LC-2= 2 NI/min NITROSTATION30LC-4= 4 NI/min
Output N2 purity	<ul style="list-style-type: none"> ▪ > 99.99% N2 ▪ < -40°C dew point ▪ particulates <0.1µm
Output N2 Pressure	From 0.5 to 5 bar, adjustable by software. (7 to 72psig)
Compressed AIR	Supplied by internal oil free compressor
Manual control	ON-OFF power switch, buzzer and Bi-color LED for functioning status+alarms
Remote control	<ul style="list-style-type: none"> ■ Through 2 potential free relay contacts (I/O), ■ RS485 (Mod-Bus), USB. ■ Trough Ethernet 10/100 network (option) ■ Trough WLAN network, with PC, I-Phone, I-Pad (option) ■ Log book download by USB.
Sound pressure	< 50 dB(A), measured at 1m
Ambient Temperature	+10 to +35°C
Output fitting	Stainless steel 1/8" compression
Power supply	From 90VAC to 260VAC, 47 to 63 Hz
Power consumption	NITROSTATION30LC-x : maximum 400W
Dimensions	W=220mm, H=540mm, D=500mm with castors
Weight (net)	NITROSTATION30LC-x : 27Kg
Certification	CE

ORDERING NUMBERS

Model	Article #
NITROSTATION40LC-500	745001
NITROSTATION40LC-1000	745003
NITROSTATION40LC-1500	745005

Model	Article #
RS485 interface option	745080
WLAN Interface option	745082
Ethernet Interface option	745081

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