

AERO40LS – ZERO AIR GENERATOR



AIR

APPLICATIONS

- ✓ Combustion gas for GC
- ✓ Zero gas for HC calibrators
- ✓ HC free AIR for life science experiments

DESCRIPTION

PEUS-Instruments designed the **AERO40LS** product line of **Zero AIR Generator**, to fit almost any type of application which needs a **high flow of pure AIR** in laboratory environment.

Compressed Air is first filtered from particulates down to 5µm and dried; then 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 electronically to the set value, between 0.5 and 7 bar.(7 to 102 psig).

Models with outflows of **40, 80 and 120 L/min AIR** 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 AERO40LS Zero Air Generator** are easy to install, reliable, safe and pleasant to operate.

BENEFITS

- ✓ Reduces in operation costs.
Return on investment within 18 months.
- ✓ Improves resolution and detection limit.
- ✓ 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.
- ✓ Low noise functioning (< 47dBA)
- ✓ Remote control from PC, I-phone and I-pad.
- ✓ Very safe operation, internal leak-test, automatic shut-down, protection against over-temperature.
- ✓ No handling, No storage,
No cylinder rental fee.
- ✓ Internal maintenance free.





ZERO AIR GENERATOR

SPECIFICATIONS

Models	AERO40LS-40, AERO40LS-80, AERO40LS-120
AIR Outflow @ 1013/20°C	AERO40LS-40 = 40 L/min ; AERO40LS-80 = 80 L/min; AERO40LS-120 =120 L/min.
Output AIR purity	<ul style="list-style-type: none"> ▪ < 400ppm H₂O (<-30°C DP / -28°F DP), if input Air according ISO8573-1/3 ▪ < 0.05 ppm HC ▪ < 0.05 ppm CO and CH₄ ▪ particulates <0.01µm
Output Pressure	From 0.5 to 7 bar, adjustable by software. (7 to 102psig)
Input AIR quality	Oil free, dried compressed Air; according to DIN ISO 8573-1 class3
Input AIR Pressure	1 bar(15 psig) minimum over output pressure. Maximum 10 bar (145psig)
Manual control	By ON/OFF power switch
Remote control	<ul style="list-style-type: none"> ■ 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.
Inlet & outlet fittings	AERO40LS-40 : Stainless steel 1/4" compression AERO40LS-80 and AERO40LS-120 : Stainless steel 3/8" compression
Power supply	Automatic switching from 90VAC to 260VAC, 47 to 63 Hz
Power consumption	AERO40LS-40 : max. 500W; AERO40LS-80 : max. 1000W; AERO40LS-120 : max. 1500W
Dimensions	W=60cm/23.6ins, H=66cm/26ins, D=80cm/31.5ins
Weight (net)	AERO40LS-40:45Kg (99lbs), AERO40LS-80:51Kg (112lbs), AERO40LS-120:57Kg (125lbs),
Certification	CE, UL

ORDERING NUMBERS

Model	Article #
AERO40LS-40	754101
AERO40LS-80	754102
WLAN Interface option	754181

Model	Article #
AERO40LS-120	754105
RS485 Interface option	754183
Ethernet Interface option	754182

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