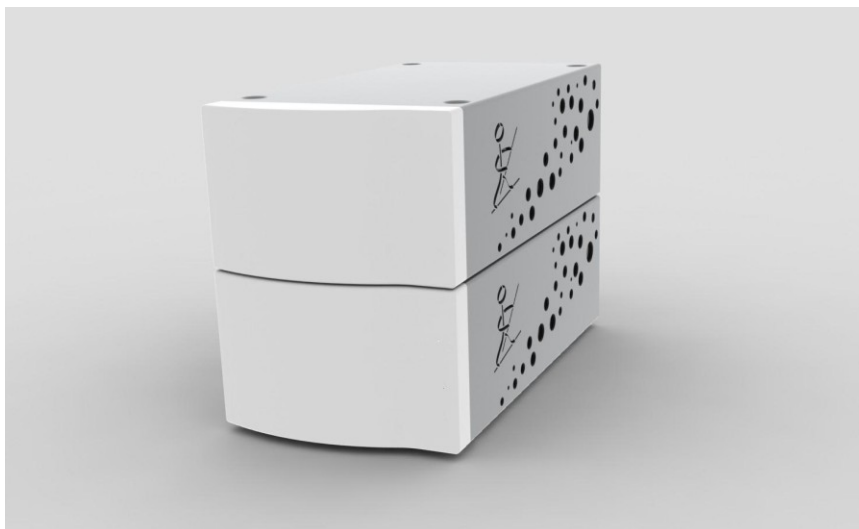


AERO50TOC – UHP AIR FOR TOC ANALYZER



AIR

APPLICATIONS

- ✓ Burning gas, Zero gas and carrier gas for THC, TOC, BTX Analyzers
- ✓ Purge gas for FTIR

DESCRIPTION

PEUS-Instruments designed the **AERO50TOC** product line of **UHP AIR Generator for TOC/THC** analyzers, to fit almost any application which needs Ultra High Purity AIR(**<1ppm CO₂**, **< 0.1ppm HC (option 1)**), close to the consumer in the laboratory environment.

Compressed Air, supplied from central distribution or from the external Air compressor, is first filtered from CO, CH₄ and HC if option1 is installed; then based on the field proven Pressure Swing Adsorption (PSA) technology, CO₂ and moisture are removed. After the purification process, UHP Air is filtered of remaining particulates down to 0.1µm and pressure is regulated electronically to the set value, between 0.5 and 5bar. Models with outflows of **1.5 and 3.0 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 software being focused on safety, automatic regulation and reliable communications, the **AERO50TOC UHP AIR Generator for TOC** are easy to install, reliable, safe and pleasant to operate.

BENEFITS

- ✓ Reduces in operation costs. Return on investment within 1.5 year.
- ✓ NO maintenance.
- ✓ Improves resolution and detection limit. Provides High pressure stability.
- ✓ UHP-AIR available 24/7 at constant purity. No contamination.
- ✓ Independent source of Ultra 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 assembly.
- ✓ 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.





UHP AIR FOR TOC ANALYZER

SPECIFICATIONS

Models	AERO50TOC-1.5, AERO50TOC-3.
AIR Outflow @ 1013/20°C	AERO50TOC-1.5 = 1.5 L/min ; AERO50TOC-3 = 3 L/min
Output AIR purity	<ul style="list-style-type: none"> ▪ < 5 ppm H₂O (-75°C DP) ▪ < 1 ppm CO₂ ▪ < 0.05 ppm HC (option1) ▪ < 0.05 ppm CO and CH₄ (option1) ▪ particulates <0.1µm
Output Pressure	From 0.5 to 5 bar, adjustable by software. (7 to 72psig)
Input AIR quality	Oil free, dried compressed Air; according to DIN ISO 8573-1 class3
Input AIR Pressure	1.5 bar(20 psig) minimum over outlet pressure. Maximum 10 bar (145psig)
Manual control	ON-OFF power switch, alarm+warning LEDs on front and rear faces
Remote control	<ul style="list-style-type: none"> ■ By PEUS-Instruments Gas Network Controller, (communication by RS485), maximum distance to modules : 100m ■ 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.
Input and output fittings	Stainless steel, respectively ¼" and 1/8" compression
Power supply	Automatic switching from 90VAC to 260VAC, 47 to 63 Hz
Power consumption	AERO50TOC-x : maximum 350W (with option 1)
Dimensions	W=210mm/8.3ins, H=135mm/5.3ins, D=360mm/14.2ins W=210mm/8.3ins, H=275mm/10.8ins, D=360mm/14.2ins (with option1)
Weight (net)	AERO50TOC-x :13.5Kg (29.7lbs) AERO50TOC-x :25Kg (55lbs) (with option1)
Certification	CE

ORDERING NUMBERS

Model	Article #
AERO50TOC-1.5	734301
AERO50TOC-3	734302
Option1 HC/CO/CH ₄ catalytic filter	734361
5L External buffer tank, SS	734376

Model	Article #
WLAN Interface option	734381
Ethernet Interface option	734382
Recommended External Silent AIR Compressor station CAS-1 or CAS-2	734371 or 734372

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