TOC 1000

Carrier/Combustion Gas Generator for TOC

Part Number : See Reverse **Service Kit : See Reverse**

PEAK SCIENTIFIC

*Your local **gas generation** partner*

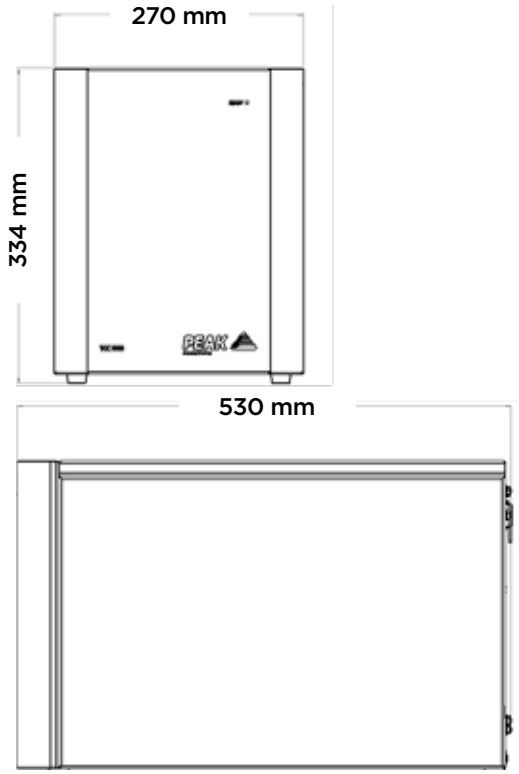
The TOC 1000 has been engineered using the latest in PSA and air catalyst technology to supply clean, dry, CO_2 and hydrocarbon-free air for Total Organic Carbon analyzers using combustion catalytic oxidation.

The TOC 1000 provides a consistent and continuous supply of carrier and combustion air for TC, IC, TOC and NPOC analysis from a compact, bench-top system. Meeting the purity requirements of all combustion-type TOC analyzers, Peak Scientific's TOC 1000 can support up to 5 TOC instruments with a maximum output of 1000cc/min.

With no internal compressor, the TOC is effectively silent in operation, requiring an air supply from either an in-house air source or an external air compressor.

Applications

- TC
- IC
- TOC
- NPOC



TOC 1000Dimensions

Key Features

- 1000cc TOC-grade air @ 50psi outlet pressure
- <1ppm CO2, <0.05ppm CH4, <0.1ppm NOx/Sox
- Tested and validated on leading TOC instrument manufacturers' equipment
- Plug and play supply for TOC instruments with minimal set-up required
- Can operate 24/7 with no compromise on performance
- NPL (National Physical Laboratory) validated performance of catalytic chamber
- Space-saving small bench-top form factor
- Effectively silent in operation
- 2 year comprehensive warranty

Copyright 2023 Peak Scientific - Rev - TOC 1000 Data Sheet Rev 5 RSID 3503 - 29/08/23

Technical Specifications	TOC 1000
Max Outlet Flow Rate	1000 cc/min
Max Outlet Pressure	100psi / 6.9bar
Min Inlet Flow Rate	6L/min
Min-Max Inlet Pressure	100 psi/6.9 bar - 145 psi/10.0 bar
Minimum Air Inlet Quality	ISO 8573 - 1:2010 Class 1.4.1*
CH_4 Content	<0.05ppm
CO_2 Content	<1ppm
Dew Point	-60°C /-76°F
Max Relative Humidity	70% @ 35°C
Particles	<0.01 µm
Gas Outlets	1 x 1/4" BSPP x 6mm push-fit connection
Phthalates	Phthalate & BHT Free
Operating Temperature	5°C - 35°C / 41°F - 95°F
Electrical Requirements	120V, 60Hz / 230V, 50/60Hz
Power Consumption	480 W (120V) / 230 W (230V)
Generator Dimensions (HxWxD)	334 x 270 x 530 mm / 13.5 x 10.7 x 20.9"
Generator Weight	27 Kg (59.6 lbs)

Ordering Information	
Part Number	3301941 (230V) / 3302384 (110V)
Standard Maintenance Plan	www.peakscientific.com/ordering
Complete Maintenance Plan	

* This unit should be connected to an air supply that, as a minimum, meets ISO 8573-1:2010 Class 1.4.1 or connected to the relevant Peak air compressor model.

[PEAK Protected]™

Peak Scientific gas generators define the benchmark in reliability, convenience and performance in laboratories around the world, and come backed by a 2 year warranty*. Beyond this period however you can ensure that your investment continues to be **[Protected]** by our comprehensive generator care cover.

Our world-class aftercare support packages deliver a program of scheduled preventative maintenance whilst giving you the reassurance of instant access to worldwide technical support and priority on-site response in the untimely event of a breakdown.

* Year 2 of warranty subject to generator being serviced at end of year 1 by a Peak-approved agent in accordance with fixed annual maintenance schedule. For full terms and conditions visit www.peakscientific.com/warranty-statement

Peak Scientific UK
Tel: +44 (0)141 812 8100
Fax: +44 (0)141 812 8200

Peak Scientific North America
Tel: +1 866 647 1649
Fax: +1 978 608 9503

For a full list of our worldwide office locations, please visit:

Web: www.peakscientific.com
Email: discover@peakscientific.com

Peak Scientific's Quality Management System conforms to:

FM 515973

THE QUEEN'S AWARDS FOR ENTERPRISE: INTERNATIONAL TRADE 2016

THE QUEEN'S AWARDS FOR ENTERPRISE: INNOVATION 2016

Product Certifications

Copyright 2023 Peak Scientific - Rev - TOC 1000 Data Sheet Rev 5 RSID 3503 - 29/08/23