

# TOC 1000

## Carrier/Combustion Gas Generator for TOC

Part Number : See Reverse

Service Kit : See Reverse



Your local *gas generation* partner

### Description

The TOC 1000 has been engineered using the latest in PSA and air catalyst technology to supply clean, dry, CO<sub>2</sub> and hydrocarbon-free air for Total Organic Carbon analyzers using combustion catalytic oxidation.

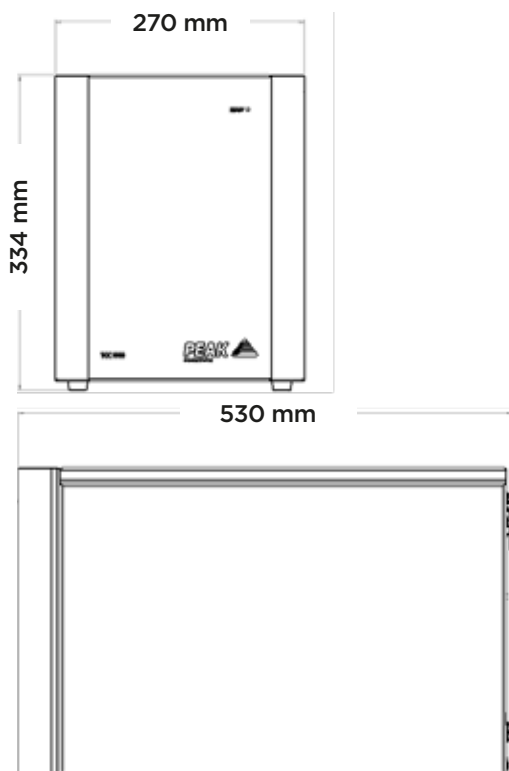
The TOC 1000 provides a consistent and continuous supply of carrier and combustion air for TC, IC, TOC and NPOC analysis from a compact, bench-top system. Meeting the purity requirements of all combustion-type TOC analyzers, Peak Scientific's TOC 1000 can support up to 5 TOC instruments with a maximum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



### Key Features

- 1000cc TOC-grade air @ 50psi outlet pressure
- <1ppm CO<sub>2</sub>, <0.05ppm CH<sub>4</sub>, <1ppm NO<sub>x</sub>/SO<sub>x</sub>
- 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

TOC 1000Dimensions

Technical Specifications	TOC 1000
Max Outlet Flow Rate	1000 cc/min
Max Outlet Pressure	50psi / 3.4 bar
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 <sub>4</sub> Content	<0.05ppm
CO <sub>2</sub> Content	<1ppm
CO / NO <sub>x</sub> / SO <sub>x</sub> 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]<sup>TM</sup>

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](http://www.peakscientific.com/warranty-statement)

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Peak Scientific's Quality Management System conforms to: ISO:9001:2008



### Product Certifications

