

# TOC Generators

## Carrier/Combustion Gas for Total Organic Carbon

Part Number : See Reverse

Service Kit : See Reverse



Your local **gas generation** partner

### Description

Peak Scientific's TOC range of specialist generators have been designed specifically to supply clean, dry, carbon dioxide free air for Total Organic Carbon analyzers. The TOC1500HP further removes hydrocarbons (as methane) for applications requiring a higher purity of air.

Delivering carrier or combustion gas from an external air supply, these generators are available in two models, depending on your requirement, the standard model is suitable for non-purgeable organic carbon (NPOC) whilst the HP model is suitable for TC-IC process Total Organic Carbon analyzers.

Peak Scientific has engineered specialist gas generation solutions to meet the demands of some of the more niche applications in the scientific market. Included in this categorization are the Fusion 1010, specifically designed for GC-ECD, TOC range for Total Organic Carbon analyzers and the CG range for CO<sub>2</sub> analyzers.

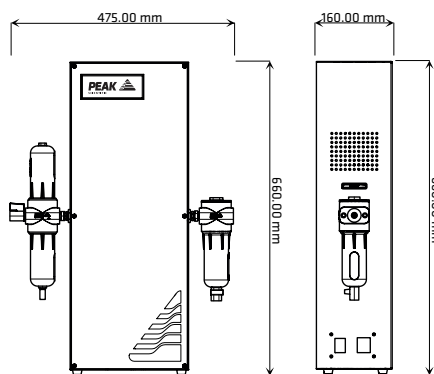


### Applications

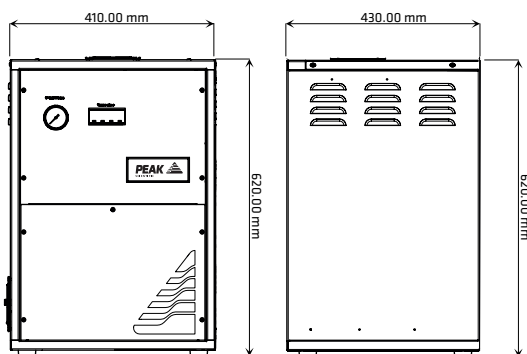
- TOC1500 suitable as combustion/carrier gas for NPOC
- TOC1500HP suitable as combustion/carrier gas for TC-IC and NPOC

### Key Features

- Produces clean, dry, carbon dioxide free air. TOC1500HP further removes any Hydrocarbons (as Methane).
- Ideal for TOC analyzers
- Can operate 24/7 at optimal performance if required
- Wall-mountable for small labs (TOC1500)
- Few moving parts means little maintenance required and ensures long life of the generator
- Completely silent in operation
- Minimal set-up required



TOC 1500



TOC 1500 HP

TOC Generators Dimensions

Technical Specifications	TOC 1500	TOC 1500 HP
Max Outlet Flow Rate	1500 cc/min	
Max Outlet Pressure	80 psi / 5.5bar	
Max Inlet Flow Rate	6 L/min	9.5 L/min
Min-Max Inlet Pressure	100-120 psi / 6.9-8.2 bar	
CH <sub>4</sub> Content	N/A	<0.1 ppm
CO <sub>2</sub> Content	< 1.0 ppm	
Pressure Dewpoint	- 70°C / -94°F	
Max Relative Humidity	70% Non-Condensing	
Particles	<0.01µm	
Gas Outlets	1x 1/4" BSP Female	
Phthalates	None	
Suspended Liquids	None	
Max Inlet THC	100 ppm	
Max Inlet Air Temperature	25°C / 77°F	
Operating Temperature	5°C - 25°C / 41°F - 77°F	
Electrical Requirements	100-240VAC 50/60/Hz 80mA	115VAC 50/60Hz 5.2A / 230VAC 50/60Hz 2.6A
Power Consumption	240V - 19.2 Watts / 100V - 8 Watts	230V - 598 Watts / 115V - 598 Watts
Generator Dimensions (HxWxD)	660 x 475 x 160 mm / 25.9 x 18.7 x 6.3 in	620 x 430 x 410 mm / 24.4 x 16.9 x 16.14 in
Generator Weight	12 Kg (26 lbs)	57.5 Kg (127 lbs)
Noise Level	Silent in Operation	

Ordering Information			
Part Number	42-1030	UK	42-1040
		EU	42-1050
		US	42-1060
Standard Maintenance Plan	09-3110		
Complete Maintenance Plan	09-3010		

## [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 12 month 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.

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



### Product Certifications

