

FT-IR PURGE GAS GENERATOR

SERIE FT-IR



ZERO AIR

APPLICATIONS : FT-IR

BENEFITS AND SAVINGS

> Better detector performance

The TOC AIR generator reduces CO₂ level < 1 ppm for TOC application and Electronic Noise. The FT-IR Purge Gas generator generates cleaner background spectra in a shorter period of time and more accurate analysis by improving the signal-to-noise ratio.

> Increased laboratory efficiency

A constant, uninterrupted gas supply of guaranteed purity eliminates interruptions of analyses to change cylinders and reduces the amount of instrument re-calibrations required.

> Improved safety

TOC AIR or FT-IR purge gas produced at low pressure and ambient temperature removes the need for high pressure cylinders.

> Simple installation

Gas generators can be installed in the laboratory, on or under a bench, eliminating the need for long gas lines from cylinders secured elsewhere.



FT-IR PURGE GAS GENERATOR BUILT IN AIR COMPRESSOR: It is specifically designed for use with FT-IR spectrometers to provide a purified purge and air bearing gas supply from compressed air.

The unit provides instruments with CO₂ free compressed air at less than -70°C dew point with no suspended impurities larger than 0.01 micron 24 hours/day, 7 days/week.

FEATURES

- > Built-in-air compressor.
- > Quiet thanks to the Soundproofed compressor box and anti-vibration features.
- > Auto start.
- > Audible and alarm display with help menu.
- > Visual maintenance indication.
- > Outlet flow indicator.
- > Energy saving Mode: Enables the compressor to switch off when Air Purge Gas supply is not required.
- > Fit with wheels.
- > Increases FT-IR sample thru-put and maximizes up-time.
- > Improves signal-to-noise ratio even on non-purge systems.

MODEL	Flow rate (Max)	Outlet pressure (Max)	CO ₂ concentration	H ₂ O Dew point	Min/Max. Ambient temperature	Built with in Air Compressor	Dimensions W x H x D cm	Net weight Kg
FT-IR 30/1	30 L/min	80 Psig	< 1 ppm	-70°C	5°C -35°C	yes	43 x 78 x 77	100