

DEIMOS CO2.FREE

CO2 FREE Air Gas generator for FT-IR

Reference : DEIMOS.CO2.FREE.[Flow rate]/1 (with compressor)



Description

F-DGS's DEIMOS CO2.FREE Air Gas generators 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 (-94°F) dewpoint with no suspended impurities larger than 0.01 micron 24 hours/day, 7days/week.

The DEIMOS CO2.FREE is available with integrated oil free air compressor using the **Energy Saving Technology mode (EST)**. It is extremely compact and quiet in operation.

The generator is controlled using the latest color touch screen technology to display the process in real time, inlet / outlet pressure, Air Flow and status of the system with remote access for diagnostic control.



UNIQUE AND INTELLIGENT OPERATOR
INTERFACE WITH REMOTE ACCESS

Applications

FT-IR

Benefits & Savings

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.

BETTER DETECTOR PERFORMANCE

The CO2 FREE Air gas generator generates cleaner background spectra in a shorter period of time and more accurate analysis by improving the signal-to-noise ratio.

IMPROVED SAFETY

CO2 FREE Air 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.

Standard Features

- Intelligent color touch screen to provide simple and user friendly management of all functions of the unit
- With integral oil free air compressor
- Quiet thanks to the Soundproofed compressor box and anti-vibration features
- Auto start
- Audible alarm display and Visual maintenance indication with history log
- Outlet flow indicator
- Energy Saving Technology (EST) :
 - Switch off the compressor when gas supply is not required
 - Allowing low energy consumption and increasing durability of the compressor
- Remote PC monitoring and diagnostic analysis via USB to interface the unit with customer's PC software (allow to carry out checks and maintenance effectively, only via a remote connection)
- Compact design
- Fit with wheels

CO2
FREE AIR

MODELS	DEIMOS.CO2.FREE.1/1	DEIMOS.CO2.FREE.10/1	DEIMOS.CO2.FREE.30/1
GENERALS INFORMATIONS			
Max Purge Air Flow rate	1 L/min	10 L/min	30 L/min
Max Purge Air pressure	6 bar (87 psi)		
CO2 level	< 1 ppm		
H2O Dew Point	-70°C (-94°F)		
Particles	0.1 μ		
Touch screen	Touch screen (operating parameters, system status, alarms and maintenance)		
Max Relative Humidity	80% RH @ 25°C (77°F)		
Temperature range	From 5 - 25°C (41 - 77°F)		
Max Altitude	3000 Meters		
Noise level @ 1M	50 dB (A)	52 dB (A)	
Dimensions (W x H x D)	47.5 x 66.2 x 65 cm (18.7" x 26" x 25.5")	47.5 x 66.2 x 79 cm (18.7" x 26" x 31")	
Weight (kg/lbs)	58 / 128	108 / 238	115 / 253.5
Power consumption	350 VA	850 VA	1700 VA
Electrical supply	220 - 240 V ac / 1 ph / 50 - 60 Hz		
	110 - 120 V ac / 1 ph / 50 - 60 Hz		
Fuse	10A		
CONNECTIONS			
Purge Air outlet	G 1/4" (BSP) Female		
COMMUNICATION			
USB/PC Control	In series		

Gold Service
 — Satisfaction Guaranteed —

The products are guaranteed 24 months*. Beyond, your investment continues to be supported by our maintenance program **[Gold Service]**. Our world class technical assistance offers Programmed preventive maintenance to ensure optimal performance of your Gas generator F-DGSi and a priority intervention in case of failure.

*Year 2 of warranty subject to generator being serviced at end of the first year by a F-DGSi-approved agent in accordance with fixed annual maintenance schedule. For full terms and conditions, visit www.f-dgs.com