

# DEIMOS UZA.TOTAL

## Ultra Zero Air Total Gas generator

Reference : DEIMOS.UZA.TOTAL.[Flow rate]/1 (with compressor)



## Description

F-DGS's DEIMOS UZA.TOTAL Ultra Zero Air generators is able to remove Total hydrocarbons to less than 0.05 ppm and others pollutant like H<sub>2</sub>O, CO<sub>2</sub>, CO, NO<sub>x</sub>, SO<sub>2</sub>.

CO and THCs are removed using heated catalyst. H<sub>2</sub>O and CO<sub>2</sub> are removed with dual molecular sieve PSA system.

NO<sub>x</sub> is removed with Purafil and SO<sub>2</sub> is removed with and activated charcoal filter.

The DEIMOS UZA.TOTAL 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 in 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

GC-FID

GC-FPD

GC-NPD

Gas Sensing

## Benefits & Savings

### BETTER DETECTOR PERFORMANCE

The reduction of H<sub>2</sub>O, CO<sub>2</sub>, CO, NO<sub>x</sub>, SO<sub>2</sub> decreases the background noise level and gives the baseline much better stability, considerably increasing detector sensitivity and ensuring precise analytical results.

### 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.

### SAVE MONEY

The unit only requires connection to a suitable socket for model with integrated compressor. The investment can be paid back in less than one year.

### IMPROVED SAFETY

Ultra Zero Air Total produced at low pressure and ambient temperature removes the need for high pressure cylinders

### SECURITY OF SUPPLY

Do not requires external compressed air supply.

### 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

**ULTRA  
ZERO AIR  
TOTAL**

MODELS	DEIMOS. UZA. TOTAL.1	DEIMOS. UZA. TOTAL.3	DEIMOS. UZA. TOTAL. 6	DEIMOS. UZA. TOTAL. 10	DEIMOS. UZA. TOTAL. 20	DEIMOS. UZA. TOTAL. 35	DEIMOS. UZA. TOTAL. 50
GENERALS INFORMATIONS							
Max TOC Air Flow rate	1 L/min	3 L/min	6 L/min	10 L/min	20 L/min	35 L/min	50 L/min
Max TOC Air pressure	6 bar (87 psi)						
Total HCs outlet	< 0.05 ppm						
Total CO, NOx, SO2 outlet	< 0.05 ppm						
Total CO2 outlet	< 5 ppm						
H2O Dew Point	-75°C (-103°F)			-70°C (-94°F)			
Particles	0.01 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)						
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 25,6")			47.5 x 66.2 x 79 cm (18.7" x 26" x 31")			
Weight (kg/lbs)	58 / 128			75 / 165			121 / 267
Electrical supply	220 - 240 V ac / 1 ph / 50 - 60 Hz						
	110 - 120 V ac / 1 ph / 50 - 60 Hz						
Power consumption	655 VA			1130 VA		1980 VA	
CONNECTIONS							
UZA Air outlet	G 1/4" (BSP) Female						
COMMUNICATION							
USB/PC Control	In series						

**GoldService**  
 — 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](http://www.f-dgs.com)

GS: **TECNOLOGIA APLICADA** 

Certified Product

