

## 8301 SERIES

### ZERO AIR GENERATORS

The Ecotech 8301 Series Zero Air Generators have been designed to supply zero air (contaminant free) to a dilution calibration system, such as the GasCal 1100.

The system comprises a compressed air source, permeation dryer and a series of optional scrubbers chosen depending on the application, producing clean, dry dilution quality "zero air."

### BENEFITS

- Model 8301LC is available as either a 19" rack-mounted enclosure or as a portable version.
- Model 8301LC provides in excess of 10 slpm of zero air.
- Model 8301LC-H is a high capacity variant and provides in excess of 20 slpm.
- Model 8301P provides in excess of 9 lpm of zero air at a pressure of 200 KPa and is ideal for use with dilution gas calibrators.

### SPECIFICATIONS

#### Zero air flow:

0-10 l/min (std for 8301LC)  
 0-20 l/min (std for 8301LC-H)  
 0-9l/min at 200KPA (std for 8301 P)

#### Protection:

Pump is thermally protected.

#### Zero air pressure:

100-200 KPA  
 200KPA (nominal for portable version)

#### H<sub>2</sub>O:

Dew-Point -15°C (nominal)\*

#### Power:

220V AC 50Hz (115 VAC 60 Hz optional)

#### Air scrubbers:

Air Clean-Up Canister for removal of: NO<sub>x</sub>, NO, NO<sub>2</sub>, O<sub>3</sub>, SO<sub>2</sub>, H<sub>2</sub>S, Less < 0.1PPB

Optional: Air cleanup canister for NH<sub>3</sub> or CO<sub>2</sub>.

#### Size:

8301LC & 8301LC-H: height: 230mmH (5RU) with rubber feet  
 width: 482mm  
 depth: 352mm

8301P height: 250mm  
 width 280mm (including scrubber canisters)  
 length: 565mm (including optional HCS-1000)^

\* specifications are subject to environmental conditions and flow rates

^ portable version can be optioned with a HCS-1000 fitted to the end



8301LC Zero Air Generator



8301P Portable Zero Air Generator

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## OPTIONS

### Ecotech HCS1000 Heated CO Scrubber

PN ECO-HCS1000 or ECO-HCS1000-115

The HCS1000 is designed to be used with the 8301LC/8301P Zero Air Generator to remove CO to less than 0.1 ppm and the addition of a Hopcalite® scrubber is required for background use.

### Ecotech HTO1000HC Heated Hydrocarbon/CO Scrubber

ECO-HTO1000HC or ECO-HTO1000HC-115

The HTO1000HC scrubber can be used with the 8301LC Zero Air Generator to remove CH<sub>4</sub>, CO and light hydrocarbons to less than 20 ppb.

### Ecotech External Tank Option

PN E040030

Designed for use when wanting to provide a constant supply of zero air for use with FID based Hydrocarbon analysers.

### For your local certified distributor visit:

[www.ecotech.com/distributors](http://www.ecotech.com/distributors)

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