

# 8301 Series

## Ecotech Compressed Air Generators

The Ecotech 8301 Series Zero Air Generator has been designed to supply zero air (contaminant free) to a Dilution Calibration System. The system comprises a rack-mounted compressed air source, permeation dryer and a series of scrubber options, depending on application, producing clean, dry, dilution quality "zero air."

### Features

- 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)  
0-9 l/min at 200 KPa (std for 8301P)
- Protection: Pump is thermally protected
- Zero Air Pressure: 100-200 KPa  
200 KPa (nominal for portable version)
- H<sub>2</sub>O: Dew-point - 15°C (nominal)\*
- Power: 220 VAC 50 Hz (115 VAC 60 Hz optional)
- Weight: 53 lbs. LC, <30 lbs. Portable
- Dimensions: 565 mm (22.2") L x 280 mm (11") W x 250 mm (9.84") H
- 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, HCs  
Less < 0.1 ppb\*\*
- **Optional:** Air clean-up canister for NH<sub>3</sub> or CO<sub>2</sub>.

\* specifications are subject to environmental conditions and flow rates

### Options

#### **Ecotech HCS1000 Heated CO Scrubber**

The HCS1000 is designed to be used with the 8301LC/8301P Zero Air Generator to remove CO to less than 0.01 ppm and the addition of a Hopcalite® scrubber is required for background use.

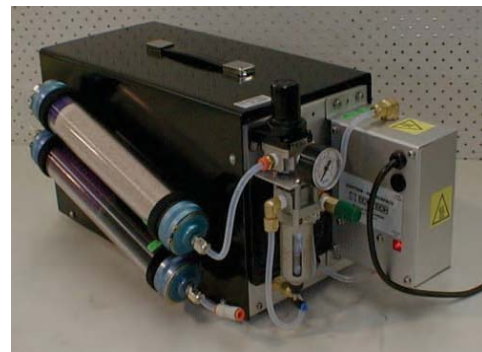
#### **Ecotech HTO1000HC Heated Methane/CO Scrubber**

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

\*\* In trace configuration scrubbing system removal of NO<sub>x</sub>, NO, SO<sub>2</sub> and H<sub>2</sub>S <0.025 ppb, O<sub>3</sub> and CO (with optional heated CO scrubber) removal to 0.01 ppb, Hydrocarbons (except methane) to less than 0.2 ppb.



**8301P Compressed Air Generator: Portable Version**



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