

8301 Series Zero Air Generators



8301 LC Zero Air Generator



8301 P Portable Zero Air Generator

The Acoem 8301 Series of Zero Air Generator series (formerly known as the Ecotech 8301 Series) has been designed to supply zero (contaminant-free) air to a dilution calibration system, such as the GasCal 1100.

The system comprises a compressed air source, permeation dryer and application-specific optional scrubbers producing clean, dry dilution quality “zero air.”

The LC versions include an external Logic Control connection to activate the air source when air is required by the calibrator.

The low dew point 8301-H includes a two stage membrane dryer that can provide ultra dry air at high flows – ideal for use with aerosol dryers used in the ACS 1000.

BENEFITS

Model 8301 LC

- Either a 19" rack-mounted enclosure or a portable version
- Provides in excess of 10 lpm of zero air.

Model 8301 LC-H

- A high capacity variant providing in excess of 20 lpm.

Model 8301 P

- Provides in excess of 9 lpm of zero air at a pressure of 200 kPa – ideal for use with dilution gas calibrators.

Model 8301-H

- A high capacity constant air source
- Includes a low dew point dryer to provide -40 °C dew point air at 10 lpm.

SPECIFICATIONS

Zero air flow:	0-10 lpm (std for 8301 LC) 0-20 lpm (std for 8301 LC-H) 0-9 lpm at 200 kPa (std for 8301 P)
Protection:	Pump is thermally protected
Zero air pressure:	100-200 kPa 200 kPa (nominal for portable version)
Dew Point:	-15° C (nominal)* (-40° C for low dew point 8301-H)
Power:	220 VAC 50 Hz (115 VAC 60 Hz optional)
Air scrubbers:	Air clean-up canister for removal of: NO _x , NO, NO ₂ , O ₃ , SO ₂ , & H ₂ S Less < 0.1 ppb Optional: Air cleanup canister for NH ₃ or CO ₂
Size:	8301 LC and 8301 LC-H: height: 230 mm (5 RU) with rubber feet width: 482 mm depth: 352 mm 8301 P: height: 250 mm width: 280 mm (including scrubber canisters) length: 565 mm (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

OPTIONS

Acoem HCS-1000 Heated CO Scrubber

- PN ECO-HCS-1000 or ECO-HCS1000-115

The HCS-1000 is designed to be used with the 8301 LC/8301 P Zero Air Generator to remove CO to less than 0.1 ppm – the addition of a Carulite® scrubber is required for background use.

Acoem HTO-1000 HC Heated Hydrocarbon/CO Scrubber

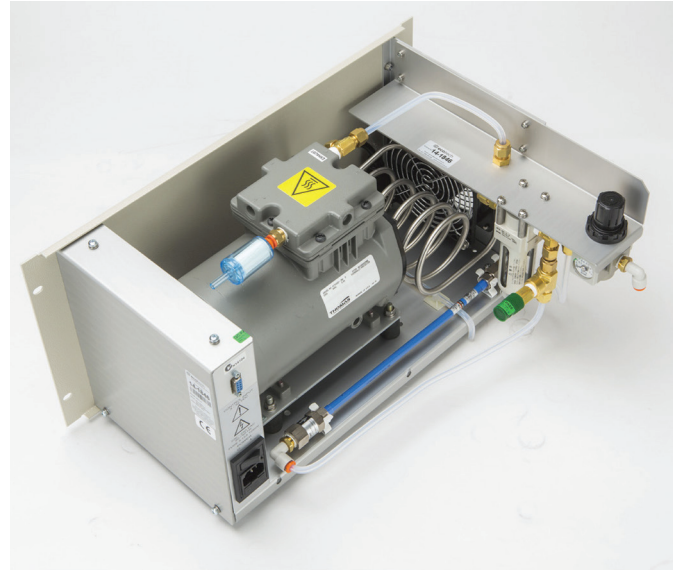
- ECO-HTO-1000 HC or ECO-HTO-1000 HC-115

The HTO-1000 HC Scrubber can be used with the 8301 LC Zero Air Generator to remove CH₄, CO & light hydrocarbons to less than 20 ppb.

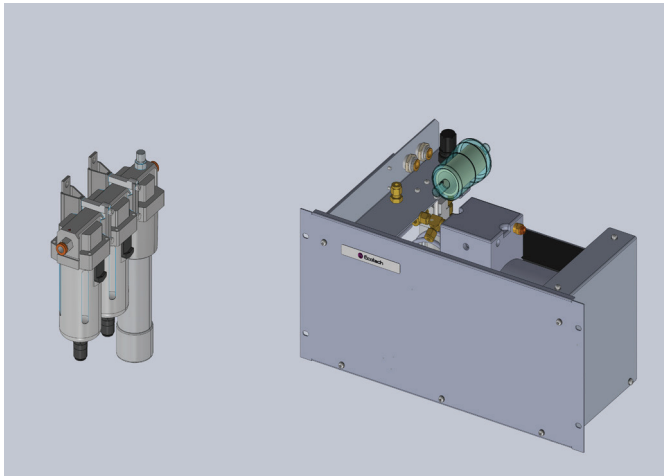
Acoem External Tank Option

- PN E040030

Designed to provide a constant supply of zero air for use with FID-based hydrocarbon analysers.



8301 LC Zero Air Generator



8301-H High capacity low dew point variant
(E040035 / E040036)



8301 P Portable Zero Air Generator



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