

Zero air generator NLG 100



- For flame ionisation detectors and infrared gas analysers
- Principle of operation: catalytic oxidation
- THC residual concentration < 100 ppb

Application Zero air generator for supply of flame ionisation detectors with zero air and as calibration gas for zero calibration of infrared gas analysers.

Description The NLG 100 zero air generators generate pure, hydrocarbon-free zero air from normal, dry compressed air. Catalytic oxidation at the Pt/Pd catalyser converts at approx. 400 °C all hydrocarbons – including ca. (CH₄) – into carbon dioxide (CO₂) and water (H₂O). The generated air has a constant quality better than that of synthetic air from gas cylinders (with reference to organic compounds). With normal compressed air (3/8.5 bar, oil-free and dry, dew point < -10 °C), a THC residual concentration < 100 ppb is reached (measured as methane).

The zero air generator is shipped tested and ready for operation.

Technical specifications

Operating temperature range

Ambient: 5/40 °C
Storage: 0/50 °C

Gas inlet conditions

Compressed air: 3/8.5 bar, oil-free and dry
Dew point: < -10 °C

Output concentration

< 0.1 ppm, measured as methane

Gas inlet/gas outlet

G₁/₄ female thread

Supply voltage

AC 230 V, 50 Hz

Housing

Wall mounting housing
W x H x D: 400 x 200 x 130 mm
Weight: Approx. 3.0 kg
Degree of protection: IP 20

PG: 4	Part no.	Price €
Zero air generator NLG 100	61830	

Blue part no. = in-stock items