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CALIBRATION GAS GENERATOR

Model Gas Sensor Calibrator · Part no. 006-0200-000 / 006-0200-001



TECHNICAL DATA

Gas concentration	1 – 1000 ppm, depending on the gas
Flow range	0.1 – 1.0 SLPM, glass tube rotameter
Dilution chamber temperature	30 – 80 °C, set and displayed to 0.1 °C
Working temperature	15 – 30 °C
Relative humidity	≤85% RH, non-condensing
Power supply	230 VAC 50 Hz (CGG-HOST-220) or 115 VAC 60 Hz (CGG-HOST-110)
Max power consumption	660 W
Dimensions	264 × 140 × 192 mm
Weight	3.56 kg
Gas outlet	6.4 mm OD / 3.2 mm ID tube
Warranty	12 months, excluding accessories

DESCRIPTION

An automated, dynamic calibration gas generator based on diffusion and permeation tube technology. It can run as a standalone unit or be expanded with additional modules to prepare multi-component gas mixtures.

Trace amounts of the target gas released from a tube are diluted with clean zero air to produce ppm-level calibration gas for the multi-point calibration of gas analysers, sensors and gas chromatographs. The tube sits in a temperature-controlled chamber (±0.1 °C), so the output stays constant and can be verified with certified gas or colorimetric indicator tubes.

TARGET GASES (OCTOBER 2026)

Gas	Concentration	Tube part no.
Formaldehyde (CH_2O)	1 – 5 ppm	411-0500-030/080
Isobutylene (C_4H_8)	10 – 100 ppm	411-0400-030/080
Hydrogen chloride (HCl)	5 – 10 ppm	411-0200-030/080
Hydrogen fluoride (HF)	5 – 10 ppm	411-0300-030/080
Chlorine (Cl_2)	5 – 30 ppm	411-0800-030/080
Benzene (C_6H_6) *	1 – 10 ppm	411-0600-030/080
Water vapour (H_2O) *	50 – 1000 ppm	411-0700-030/080

Standard accessory kit: tube tweezers, Tygon tubing, air drying tube, spare filter cartridges, spare fuses, power cord, user manual, certificate of conformity. Optional upgrades: PTFE corrosion-resistant dilution chamber, multi-channel expansion module, external zero air generator. * Under development and verification.

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