



GROVELEY DETECTION

Groveley Detection Limited

Anchor Works, Groveley Road

Christchurch, Dorset

BH23 3HB

UK

T: +44 (0)1202 483497

F: +44 (0)1202 486658

E: sales@groveley.co.uk

Test Gas & Regulators

The gas calibration kits provide an accurate concentration of the gas/air mixture used for periodic testing and calibration of gas detectors. The kits allow calibration gas to be delivered to the detector at a regulated flow assuring consistently accurate calibration of the gas detection system, even under worse case conditions.

The calibration kit consists of two pressurised cylinders of calibration gas, a pressure regulator with indicator, a one metre tube and a calibration nozzle designed to fit directly onto the sensor. Each gas cylinder contains 110 litres of the calibration gas, enough to calibrate approx. 50 sensors before replacing the cylinder. The regulator is preset to provide the proper flowrate for the device being calibrated in a still air environment.

All equipment is contained in a sturdy carry case, ample room is provided for storage of a calibration meter.

Features

- Assures accurate calibration of most detector types
- Kit provides approximately four hours of continuous use
- $\pm 2\%$ at 50% LEL concentration accuracy
- Light weight portable carrycase

Benefits

- Most detector types can be tested
- Off the shelf replacements
- A number of devices can be calibrated

Fixed Setting Regulators

- 1 litre per minute for catalytic detectors
- 3 litres per minute for infrared
- Variable flow regulator available as optional extra



www.groveley.co.uk

*No-one ever regretted
buying quality...*

Test Gas & Regulators

TECHNICAL DETAILS

110 Litre Fill Gas Cylinders

Non reactive mixtures e.g.:

- 2.5% volume Methane (50% LEL) in air
- 4% volume Methane in Nitrogen
- 50% volume Methane in 50% Nitrogen (Biogas)

- Also Carbon Monoxide, Carbon Dioxide, Nitrogen, Propane, Hydrogen, Hydrogen Sulphide and Zero Air
- Others available on request

Enclosure

- Cylinder size: 345 x 80mm diameter
- Weight: 1.15 Kg
- Material: Welded steel

Water Capacity

- 1.56 litres

Filling Pressure

- 1000psi (68 bar)

Usable Gas

- 110 litres

Outlet

- 5/8" - UNF (C10) Female

Filing Tolerance

- 5-49ppm +/- 10%
- 50-500ppm +/- 5%
- >500ppm +/- 2%

Transport

- U1956 class 2

Regulator

- MicroReg
- VariableFlow (optional extra)



Fixed Setting Regulators: MicroReg

- Flow control regulator with pressure gauge
- Factory set flow rate: 1.0 or 3.0 l/min (please specify)
- Pressure gauge: Nickel coated brass (stainless steel recommended for NO, NO₂ & Cl₂)



Regulators: VariableFlow (Optional Extra)

- Flow control regulator with pressure gauge
- Flow rate increments: 0.3, 0.5, 0.7, 0.9, 1.2, 1.5, 2.0, 2.5, 3.0 litres / minute
- Pressure gauge: Nickel coated brass

www.groveley.co.uk

*No-one ever regretted
buying quality...*