

# Test Gas & Regulators

## On site gas detector testing

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

The calibration kit consists of two pressurised cylinders of gas, a pressure regulator with indicator, a one meter tube and a calibration nozzle designed to fit directly onto the sensor. Each gas cylinder contains 110 liters of the calibration gas, enough to calibrate approximately 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.

### Benefits:

- Assures accurate calibration of most detector types
- Light weight portable carrycase
- A number of devices can be calibrated
- Variable flow regulator available

## Technical Specifications

### 110 Liter 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 sulfide, and zero air drawn by eductor:  
152 Hg (203" H<sub>2</sub>O gauge) - input pressure at 110 psi
- Others available on request



### Construction

- Cylinder size: 345 x 80 mm diameter
- Weight: 1.15 kg (2.53 lbs)
- Material: Welded steel

### Water Capacity

- 1.56 liters

### Filling Pressure

- 1000 psi (68 bar)

### Unusable Gas

- 110 liters

**Outlet**

- 5/8" - UNF (C10) Female

**Filling Tolerance**

- 5–49 ppm ± 10 %
- 50–500 ppm ± 5 %
- >500 ppm ± 2 %

**Transport**

- U1956 class 2

**Regulator**

- MicroReg
- Variable Flow

**Fixed Setting Regulators: MicroReg**

- Flow control regulator with pressure gauge
- Factory set flow rate: 1.0 or 3.0 L/min (detector type dependent)
- Pressure gauge: Nickel coated brass or stainless steel

**Regulators: Variable Flow**

- 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, and 3.0 L/min
- Pressure gauge: Nickel coated brass

**EmersonProcess.com/FlameGasDetection**

 YouTube.com/user/RosemountAnalytical

 Analyticexpert.com

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