

# QuickCheck Bump Test Systems

## QC-50 GAS BUMP TESTER



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The QC-50 bump test system and the QC-100 bump test system provide a quick and easy way of checking the performance of Ammonia, Hexane, Hydrogen Chloride or Toluene gas detectors. Utilizing revolutionary technology, they both provide a stable, safe and reliable delivery method allowing ease of shipment, storage and use. Both devices use unique QuickCheck Vials (QCV) that have a small amount of the target gas in a liquid form, sealed in an inner ampoule. Breaking the inner ampoule allows the liquid to absorb into a filter which then diffuses out the gas. Squeezing the hand aspirated bulb on the QC-50 allows a test concentration of the gas to flow over the gas detector's sensor, verifying its operation. The QC-100 uses two AA batteries to motorize a pump that provides continuous output of calibration gas. The needle valve allows users to adjust the amount of gas being generated to check the gas detection device for higher accuracy.

Bump tests should be done monthly as needed or required by law. If the bump test fails, a full calibration should be done.

### KEY FEATURES

- » Easy to use
- » No batteries required
- » Non-hazardous shipping (not a dangerous good)
- » Compact and rugged design

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- » Easy to use
- » Adjustable gas output
- » Non-hazardous shipping (not a dangerous good)
- » CE approved

### TECHNICAL SPECIFICATIONS

#### QC-50 Gas Bump Tester

Dimensions	15.3 x 5 cm (6 x 2 in)
Weight	49 g (1.73 oz)
Humidity	0 - 100% RH non-condensing
Operating Temperature	5°C to 50°C (41°F to 122°F)

#### QC-100 Gas Bump Tester

Dimensions	15.2 x 5.8 x 3.0 cm (6 x 2.2 x 1.1 in)
Weight	220 g (7.8 oz)
Battery Power	two alkaline AA batteries
Battery Life	approximately 10 hours
Humidity	0 - 100% RH non-condensing
Operating Temperature	5°C to 50°C (41°F to 122°F)

#### QuickCheck Gas Vials (QCV)

Gas Types	Ammonia (NH <sub>3</sub> ), Hexane (C <sub>6</sub> H <sub>14</sub> ), Hydrogen chloride (HCl), Toluene (C <sub>7</sub> H <sub>8</sub> )
Dimensions	8.2 cm x 0.9 cm (3.23 in x 0.35 in)
Weight	2.4 g (0.08 oz)
Quantity	12 vials per pack
Useful Vial Life	Approximately 8 hours

### PRODUCT CODES

QC-50	Calibration Gas Bump Tester hand pump operation with 0.91 m (3 ft) hose and manual (does not include gas)
QC-50-KIT	Complete Calibration Gas Bump Tester Kit with belt pack, 0.91 m (3 ft) hose, manual and includes one 12 pack QCV (please specify gas)
QC-100	Calibration Gas Bump Tester battery operation with batteries, 0.91 m (3 ft) hose and manual, (does not include gas)
QC-100-KIT	Complete Calibration Gas Bump Tester Kit with belt pack, batteries, 0.91 m (3 ft) hose, manual and includes one 12 pack QCV (please specify gas)
QC-NH3	Ammonia (NH <sub>3</sub> ), 12 pack
QC-C6H14	Hexane (C <sub>6</sub> H <sub>14</sub> ), 12 pack
QC-HCl	Hydrogen chloride (HCl), 12 pack
QC-C7H8	Toluene (C <sub>7</sub> H <sub>8</sub> ), 12 pack

