

MiniBump Test System



The MiniBump Test System is an ultra small, battery powered gas generator specifically designed for bump testing Chlorine, Hydrogen, Hydrogen cyanide and Hydrogen sulphide gas sensors.

A small air pump draws in ambient air to blend with the electrochemically generated gas which permeates out of the cell and onto the gas detector sensor. Two AA alkaline batteries provide approximately 10 hours of operation and each gas source will provide up to 1000 bump tests (at approximately 30 to 120 seconds each).

The generating gas sources are interchangeable. The microprocessor reads the type of gas from a memory chip embedded in the cell body. It then self adjusts for each type of gas output.

KEY FEATURES

- » Hand held, compact "shirt pocket" size
- » Provides up 1000 bump tests
- » Battery powered
- » Disposable gas generating cells do not expire and are non-hazardous for transport
- » Interchangeable gas sources
- » CSA NRTL/C Exia T-6 approved intrinsically safe with CE mark

TECHNICAL SPECIFICATIONS

GAS TYPE

Chlorine (Cl ₂)	approx 5 ppm
Hydrogen (H ₂)	approx 25 ppm
Hydrogen cyanide (HCN)	approx 10 ppm
Hydrogen sulphide (H ₂ S)	approx 25 ppm
Source Life	up to 1000 tests
Repeatability	±20%

TECHNICAL SPECIFICATIONS continued

MECHANICAL

Weight	220 g (0.5 lb)
Size	6 cm W x 10.4 cm H x 3 cm D (2.36" W x 3.88" H x 1.18" D)

ELECTRICAL

Power Source	2 alkaline AA batteries
Battery Life	approximately 10 hours

USER INTERFACE

Push Button	ON / OFF push button switch
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ENVIRONMENTAL

Operating Temperature	0°C to 50°C (32°F to 122°F)
Humidity	0 - 100% RH (intermittent use)

CERTIFICATIONS

Conforms to: EC Directive 89/336/EEC in accordance with the provisions of Statutory Instrument 2372
Conforms to: EN 50081-1 and EN 50082-1
Intrinsically Safe: Class 1, Division 1, Groups A, B, C, D

PRODUCT CODES

MB-TEST	MiniBump Test System includes wall mount housing, batteries, 1.5 m long x 4.76 mm OD (5 ft x 3/16 in OD) hose, rubber calibration cup and manual, provides up to 1000 tests. <i>Does not include gas source.</i>
MB-CL2	Chlorine (Cl ₂) gas source, approx. 5ppm output
MB-H2	Hydrogen (H ₂) gas source, approx. 25 ppm output
MB-H2S	Hydrogen sulphide (H ₂ S) gas source, approx. 25 ppm output
MB-HCN	Hydrogen cyanide (HCN) gas source, approx. 10 ppm output

