

# MiniBump

Calibration Gas  
or Bump Tester



- Interchangeable calibration gases
- Automatic shut down after each test
- Alkaline battery powered
- Disposable generating source
- ATEX II3G EEx nL IIB T4 approved
- CSANRTL/C Exia T-6 approved intrinsically safe with CE Mark

## Versatile

The MiniBump is the smallest, most lightweight and adaptive calibration gas source on the market. It is our lowest entry cost product as well as our simplest to use. It is certified to be intrinsically safe for operation on potentially explosive atmospheres. The MiniBump operates with interchangeable generating sources providing either fixed concentration output for calibration, or 'bump' output to drive your detector into alarm for operational verification.

Available in hydrogen sulfide, chlorine, hydrogen and hydrogen cyanide. The complete device fits into your shirt pocket and provides the equivalent of five 58 liter cylinders of gas with each generating source.

## Bump Sources

Gas	Approx PPM Output
Cl <sub>2</sub> Chlorine	5
H <sub>2</sub> S Hydrogen Sulfide	25
HCN Hydrogen Cyanide	10
H <sub>2</sub> Hydrogen	25

## Calibration Sources

Gas	Approx PPM Output
Cl <sub>2</sub> Chlorine	Specify
H <sub>2</sub> S Hydrogen Sulfide	Specify
HCN Hydrogen Cyanide	Specify
H <sub>2</sub> Hydrogen	Specify

## Specifications

Useful Source Life	Source defined
Bump Test Time	Less than 120 seconds
Intrinsically Safe	Class 1, Division 1, Groups A, B, C, D
L x W x H	4.09 x 2.36 x 1.18" (10.4 x 6.0 x 3.0 cm)
Weight	0.5 lb. (220 g)
Operating Temperature	-40° C to 50° C
Relative Humidity (intermittent use)	0 - 100%
Battery Power	2 alkaline "AA"
Battery Life	10 hours

## Gas Options

Gas		PPM
Cl <sub>2</sub>	Chlorine	1 - 25
H <sub>2</sub> S	Hydrogen Sulfide	1 - 25
H <sub>2</sub>	Hydrogen	1 - 25
HCN	Hydrogen Cyanide	1 - 25
Concentration		Source defined
Accuracy		± 10%
Available Generating Life		Source defined
Non-hazardous Shipping		Yes
Interchangeable Gases		Yes
No Shelf Degradation		Yes
Mass Flow Feedback		No



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