

**Methyl bromide**CH<sub>3</sub>Br**NO.136H****Performance**

<b>Measuring Range</b>	10 to 20ppm	20 to 300ppm	300 to 600ppm
<b>Number of Pump Stroke</b>	2	1	1/2
<b>Correction Factor</b>	1/2	1	2
<b>Sampling Time</b>	2 minutes per pump stroke		
<b>Detecting Limit</b>	4 ppm (n=2)		
<b>Color Change</b>	White → Yellow		
<b>Reaction Principle</b>	Methyl bromide is oxidized by nascent oxygen to liberate bromine. It reacts with o-tolidine to produce yellow stain.		
<b>Coefficient of Variation</b>	10% (for 20 to 100 ppm), 5% (for 100 to 300 ppm)		
<b>Shelf Life</b>	3 Years		
<b>Corrections for temperature &amp; humidity</b>	Unnecessary		
<b>Store the tubes at cool and dark place.</b>			

**Possible coexisting substances and their interferences** (NOTE)

Substance	Concentration	Interference	Change color by itself
Cl <sub>2</sub> , Br <sub>2</sub> , NO <sub>x</sub>	-	Plus error	Produce yellow stain
Saturated halogenated HCs	-	Plus error	Produce yellow stain

**Other substance measurable with this detector tube**

Substance	Correction Factor	Pump Strokes	Measuring Range
Chlorobromomethane	0.9	1	18 to 270 ppm
1,2-Dibromoethane	0.7	1	14 to 210 ppm
n-Butyl Bromide	1.2	1	24 to 360 ppm

**Calibration gas generation** Permeation tube method

TLV-TWA	TLV-STEL	Explosive range
1ppm	-	10 to 15%

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