Methyl Bromide 0.5/a

Order No. 81 01 671

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Application Range

Standard Measuring Range:	5 to 30 / 0.5 to 5 ppm
Number of Strokes n:	2 / 8
Time for Measurement:	approx. 2 min / approx. 5 min
Standard Deviation:	± 15 to 20 %
Color Change:	white → blue green

Ambient Operating Conditions

Temperature:	0 to 40 °C
Absolute Humidity:	max. 20 mg H_2O / L

Reaction Principle

a) $CH_3Br + H_2S_2O_7 \rightarrow HBr$

b_1) $HBr + Cr^{VI} \rightarrow Br_2$

b) Br_2 + o-tolidine → blue green reaction product

Cross Sensitivity

Vinyl chloride:	2 ppm no reading.
Carbon tetrachloride:	2 ppm no reading
Perchloroethylene and Trichloroethylene:	5 ppm changes the indicating layer to a light yellow.
1.2-dichloroethylene:	20 ppm result in a reading of approx. 3 ppm.
1.1-dichloroethylene:	up to 2 ppm the sensitivity is the same as with methyl bromide.

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