

# Dimethyl Sulfide 1/a

Order No. 67 28 451

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## Application Range

Standard Measuring Range:	1 to 15 ppm
Number of Strokes n:	20
Time for Measurement:	approx. 15 min
Standard Deviation:	± 15 to 20 %
Color Change:	violet → yellow brown

## Ambient Operating Conditions

Temperature:	15 to 30 °C
Absolute Humidity:	< 20 mg H <sub>2</sub> O / L

## Reaction Principle

$(\text{CH}_3)_2\text{S} + \text{KMnO}_4 \rightarrow \text{Mn}^{\text{IV}} + \text{various oxidation products}$

## Cross Sensitivity

Many organic compounds with C=C double bonds are indicated as well, but with different sensitivities. It is impossible to differentiate between them. H<sub>2</sub>S (hydrogen sulfide) is indicated with approximately twice the sensitivity. The tube H<sub>2</sub>S 5/b can be used as a filtering tube. Then, with n = 20 pump strokes approx. 30 ppm H<sub>2</sub>S is retained. Methyl mercaptan is indicated with approximately twice the sensitivity.



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