Hydrogen Sulfide + Sulfur Dioxide 0.2%/A

Order No. CH 28 201

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| Standard Measuring Range: | 0.2 to 7 vol. % |
|---------------------------|-----------------------------|
| Number of Strokes n: | 1 + 2 desorption strokes in |
| | clean air |
| Time for Measurement: | approx. 2 min |
| Standard Deviation: | ± 5 to 10 % |
| Color Change: | brown → bright yellow |

Ambient Operating Conditions

| Temperature: | 0 to 40 °C |
|--------------------|---------------------------------|
| Absolute Humidity: | max. 40 mg H ₂ 0 / L |

Reaction Principle

 $H_2S + I_2 \rightarrow 2 HI + S_2$ $SO_2 + I_2 + 2H_2O \rightarrow 2HI + H_2SO_4$

Cross Sensitivity

All substances oxidized by iodine are indicated, but with different sensitivities. It is impossible to measure hydrogen sulfide and sulfur dioxide in the presence of such substances.

Extension of the Measuring Range

Using n = 10, divide the reading by 10; the measuring range will be 0.02 to 0.7 vol. %.





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