

Hydrogen Sulfide + Sulfur Dioxide 0.2%/A

Catalog No CH28201

Standard Measuring Range: 0.2 to 7 Vol%
Number of Strokes (n): 1 + 2 desorption strokes in air
Time for Measurement: about 2 minutes
Standard Deviation: ± 5 to 10%
Color Change: brown to pale yellow

Ambient Operation Conditions

Temperature: 0 to 40°C
Absolute Humidity: maximum 40 mg H₂O/L

Reaction Principle

- a) $\text{H}_2\text{S} + \text{I}_2 \longrightarrow 2 \text{HI} + \text{S}_x$
b) $\text{SO}_2 + \text{I}_2 + \text{H}_2\text{O} \longrightarrow 2 \text{HI} + \text{H}_2\text{SO}_4$

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 range of measurement is 0.02 to 0.7 Vol%.



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PO Box 894

DeMotte, IN 46310

800.952.3293 • 219.987.6825 • fax 219.987.6826

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