

# Sulfur Dioxide 5/a-D

Order No. 81 01 091

## Application Range

Standard Range	Measurement Time
5 to 150 ppm	1 h
2.5 to 75 ppm	2 h
1.3 to 38 ppm	4 h
0.7 to 19 ppm	8 h

Standard Deviation	± 20 to 25 %
Color Change	blue violet → light yellow

## Ambient Operating Conditions

Temperature	10 to 30 °C
Absolute Humidity	1 to 15 mg H <sub>2</sub> O / L

## Reaction Principle

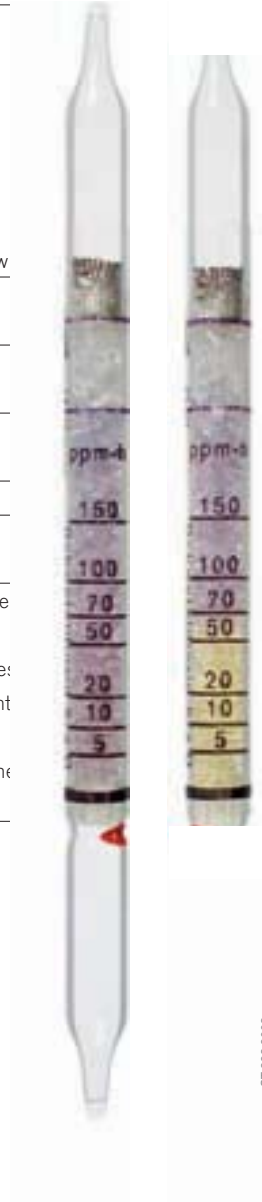
SO<sub>2</sub> + pH Indicator → light yellow reaction product

## Cross Sensitivity

It is impossible to measure sulfur dioxide in the presence of other acidic substances.

During a 6-hour measurement, 10 ppm hydrochloric acid produces a pink color up to 25 ppm x h. During a 4-hour measurement 20 ppm acetic acid produces a yellow color up to 60 ppm x h.

Nitrogen dioxide and chlorine also have an influence on the indication.



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