

Order No,
81 01091

Sulphur Dioxide 5/a-D

Standard Range	Measurement Time
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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 %
Colour Change : blue violet \rightarrow light yellow

Ambient Operating Conditions

Temperature : 10 to 30 °C
Absolute Humidity : 1 to 15 mg H₂O / L

Reaction Principle

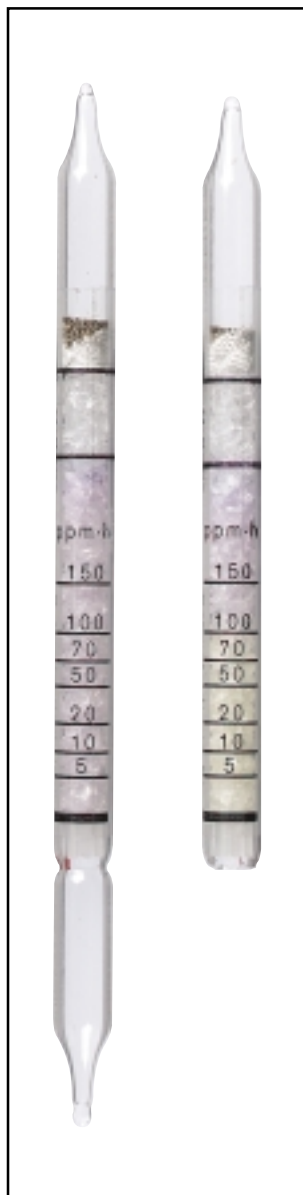
SO₂ + pH Indicator \rightarrow light yellow reaction product

Cross Sensitivity

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

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

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



ST 244-2001