# Sulfur Dioxide 0.5/a

Order No. 67 28 491

### **Application Range**

Standard Measuring Range:
Number of Strokes n:
Time for Measurement:
Standard Deviation:
Color Change:

1 to 25 ppm / 0.5 to 5 ppm
10 / 20
approx. 3 min / approx. 6 min
± 10 to 15 %
grey blue $\rightarrow$ white

## Ambient Operating Conditions

Temperature:	
Absolute Humidity:	

15 to 30 °C max. 20 mg H<sub>2</sub>O / L

### **Reaction Principle**

starch  $SO_2 + I_2 + 2 H_2O \rightarrow H_2SO_4 + 2 HI$ 

## Cross Sensitivity

Hydrogen sulfide is also indicated, however, with differing sensitivity. Nitrogen dioxide will shorten the reading.



