Order No. CH 28201

# Hydrogen Sulphide + **Sulphur Dioxide 0.2%/A**

Standard Measuring Range: 0.2 to 7 Vol.-%

Number of Strokes (n) : 1 + 2 desorption

strokes in air

Time for Measurement : app. 2 min Standard Deviation :  $\pm$  5 to 10 %

Colour Change : brown -> pale yellow

#### **Ambient Operating Conditions**

Temperature : 0 to 40 °C

**Absolute Humidity**: max. 40 mg H<sub>2</sub>O / L

## **Reaction Principle**

$$H_2S + I_2 \longrightarrow 2 HI + S_x$$
  
 $SO_2 + I_2 + H_2O \longrightarrow 2 HI + H_2SO_4$ 

## **Cross Sensitivity**

All substances oxidized by iodine are indicated, but with different sensitivities. It is impossible to measure hydrogen sulphide and sulphur 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.-%.

