# Hydrogen Sulfide 0.2%/A

Order No. CH 28 101

## Application Range

Standard Measuring Range:	0.2 to 7 Vol%
Number of Strokes n:	1 + 2 desorption strokes in
	clean air
Time for Measurement:	approx. 2 min
Standard Deviation:	± 5 to 10 %
Color Change:	pale blue → black

## Ambient Operating Conditions

Temperature:	0 to 60 °C
Absolute Humidity:	max. 40 mg $\rm H_2O$ / L

#### **Reaction Principle**

 $H_2S + Cu^{2+} \rightarrow CuS + 2 H^+$ 

#### **Cross Sensitivity**

In the presence of sulfur dioxide, the indicating layer can change to a yellowish color, but the hydrogen sulfide measurement is not affected. Comparable concentrations of mercaptan will interfere with the reading.



ST-410-2008

| 197