# Carbon Disulfide 30/a

Order No. CH 23 201



#### Application Range

 Standard Measuring Range:
 0.1 to 10 mg/L

 Number of Strokes n:
 6

 Time for Measurement:
 approx. 1 min

 Standard Deviation:
 ± 15 to 20 %

 Color Change:
 pale blue → brown

## **Ambient Operating Conditions**

Temperature:	0 to 40 °C
Absolute Humidity:	$<$ 30 mg $\rm H_2O$ / $\rm L$

#### Reaction Principle

 $2 \text{ CS}_2 + 4 \text{ NHR}_2 + \text{Cu}^{2+} \rightarrow \text{Cu}(\text{SCSNR}_2)_2 + 2 \text{ NH}_2\text{R}_2^+$ 

## Cross Sensitivity

Hydrogen sulfide is indicated, producing a pale green discoloration. It is impossible to measure carbon disulfide in the presence of hydrogen sulfide.



