# 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 $H_2O$ / L

### **Reaction Principle**

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

## Cross Sensitivity

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



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