# 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<sub>2</sub>O / L

## Reaction Principle

2 CS<sub>2</sub> + 4 NHR<sub>2</sub> + Cu<sup>2+</sup> → Cu(SCSNR<sub>2</sub>)<sub>2</sub> + 2 NH<sub>2</sub>R<sub>2</sub>+

### Cross Sensitivity

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



10

mg/