

# Chlorine 0.3/b

Order No. 67 28 411

C

## Application Range

|                           |                         |
|---------------------------|-------------------------|
| Standard Measuring Range: | 0.3 to 5 ppm            |
| Number of Strokes n:      | 20                      |
| Time for Measurement:     | approx. 8 min.          |
| Standard Deviation:       | ± 10 to 15 %            |
| Color Change:             | pale green-grey → brown |

## Ambient Operating Conditions

|                    |                              |
|--------------------|------------------------------|
| Temperature:       | 0 to 40 °C                   |
| Absolute Humidity: | < 15 mg H <sub>2</sub> O / L |

## Reaction Principle

$\text{Cl}_2 + \text{o-tolidine} \rightarrow \text{brown reaction product}$

## Cross Sensitivity

Bromine is indicated with the same sensitivity, but with a paler discoloration. Chlorine dioxide is indicated with different sensitivity. Nitrogen dioxide is indicated as well, but with a paler discoloration and lower sensitivity.

## Extension of the Measuring Range

Using  $n = 10$  strokes, multiply the reading by 2, the measuring range will be 0.6 to 10 ppm.

