

Chlorine 0.3/b

Order No. 67 28 411

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 ₂ 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.

