

Chlorine 50/a

Order No. CH 20 701

Application Range

Standard Measuring Range:	50 to 500 ppm
Number of Strokes n:	1
Time for Measurement:	approx. 20 s
Standard Deviation:	± 10 to 15 %
Color Change:	grey green → orange brown

Ambient Operating Conditions

Temperature:	10 to 40 °C
Absolute Humidity:	< 40 mg H ₂ O / L

Reaction Principle

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

Cross Sensitivity

Bromine is indicated with the same sensitivity, but with a higher standard deviation ± 25 to 30 %. Chlorine dioxide and nitrogen dioxide are indicated as well, but with different sensitivities.

