

# Chlorine Dioxide 0.025/a

Order No. 81 03 491

C

## Application Range

Standard Measuring Range:	0.1 to 1 ppm	/ 0.025 to 0.1 ppm
Number of Strokes n:	10	/ 30
Time for Measurement:	approx. 2.5 min / approx. 7.5 min.	
Standard Deviation:	± 10 to 15 %	
Color Change:	light grey → light green	

## Ambient Operating Conditions

Temperature:	0 to 50 °C
Absolute Humidity:	≤ 50 mg / L

## Reaction Principle

$\text{ClO}_2 + \text{o-Tolidine} \rightarrow \text{light green reaction product}$

## Cross Sensitivity

The following values are not displayed:

1 ppm  $\text{Cl}_2$ , 10 ppm  $\text{H}_2\text{S}$ , 1 ppm  $\text{SO}_2$ ,

10 ppm methyl mercaptane.

1 ppm bromide is not displayed at a stroke count of  $n = 10$ ,  
at  $n = 30$  there is a discoloration of approx. 10 mm.

