



## Performance

Measuring range	25 to 50 ppm	50 to 500 ppm	500 to 1000 ppm
Number of pump strokes	2 (200 mL)	1 (100 mL)	1/2 (50 mL)
Correction factor	1/2	1	2
Sampling time	1.5 min	45 sec	30 sec

Detecting limit :	5 ppm (2 pump strokes)
Colour change :	White → Reddish orange
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction not used Relative humidity 0 to 90 % correction not used
Relative standard deviation :	10 % (for 50 to 100 ppm) , 5 % (for 100 to 500 ppm)
Tube quantity and number of tests per box :	10 tubes for 10 tests
Shelf life :	36 months

## Reaction principle

$\text{Cl}_2 + o\text{-Tolidine} \rightarrow \text{Reddish orange product}$

## Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Bromine		+	} Reddish orange
Chlorine dioxide		+	
Iodine		+	

## Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Chlorine dioxide	Factor : 0.9	1	45 to 450 ppm

## Calibration gas generation

Permeation tube method

## Special note

Even if the white detecting layer turns to light gray, that does not affect the accuracy of the measurement.