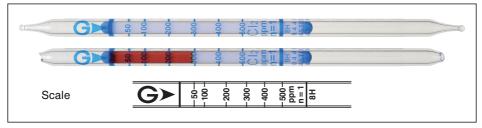
Chlorine Cl2



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

 $\begin{array}{lll} \mbox{Detecting limit:} & \mbox{5 ppm } (2 \mbox{ pump strokes}) \\ \mbox{Colour change:} & \mbox{White} \rightarrow \mbox{Reddish orange} \\ \end{array}$

Operating conditions : Temperature 0 to 40 $^{\circ}$ C (32 to 104 $^{\circ}$ 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

Cl₂ + o-Tolidine → Reddish orange product

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Bromine		+	
Chlorine dioxide		+	Reddish orange
lodine		+	J

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.