

**Performance**

Measuring Range	25 to 50pm	50 to 500ppm	500 to 1000ppm
Number of Pump Strokes	2	1	1/2
Correction Factor	1/2	1	2
Sampling Time	45 seconds per pump stroke		
Detecting Limit	5 ppm (n=2)		
Colour Change	White → Vermilion (reddish orange)		
Reaction Principle	Chlorine is oxidized by o-Tolidine to form reddish orange colour.		
Coefficient of Variation	10% (for 50 to 100 ppm), 5% (for 100 to 500 ppm)		
Shelf Life	3 Years		
Corrections for temperature & humidity	Unnecessary		
Store the tubes at cool and dark place.			

**Possible coexisting substances and their interferences**

Substance	Concentration	Interference	Change colour by itself
Bromine	-	Plus error	Produce vermillion
Chlorine dioxide	-	Plus error	Produce vermillion
Iodine	-	Plus error	Produce vermillion

**Other substance measurable with this detector tube**

Substance	Correction Factor	Pump Strokes	Measuring Range
Chlorine dioxide	0.5	1	25 to 250 ppm

**Calibration gas generation** Permeation tube method

TLV to TWA	TLV to STEL	Explosive range
0.5ppm	1ppm	-

**Special Note**

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