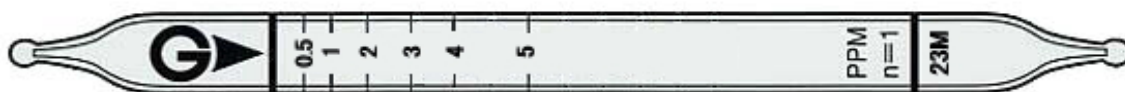


Chlorine Dioxide

ClO₂

No.23M



Performance

Measuring Range	0.1 to 0.5 ppm	0.5 to 5 ppm	5 to 10 ppm
Number of Pump Strokes	2 to 5	1	1/2
Correction Factor	1/2 to 1/5	1	2
Sampling Time	1 minute per pump stroke		
Detecting Limit	0.05 ppm (n=5)		
Colour Change	White → Pale pink		
Reaction Principle	Chlorine dioxide oxidizes the indicator to produce Pale pink discoloration.		
Coefficient of Variation	10% (for 0.5 to 2 ppm), 5% (for 2 to 5 ppm)		
Shelf Life	3 Years		
Corrections for temperature & humidity	Unnecessary		
Store the tubes in dark and cool place.			

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
Nitric oxide	-	Plus error	Pale pink
Ozone	-	Plus error	Pale pink
Nitrogen dioxide	-	Plus error	Pale pink
Chlorine	-	Plus error	Pale pink
Bromine, Iodine	-	Plus error	Pale pink

Calibration gas generation Permeation tube method

TLV-TWA	TLV-STEL	Explosive range
0.1ppm	0.3ppm	-