

**Performance**

Measuring Range	0.025 to 0.05 ppm	0.05 to 0.6 ppm	0.6 to 3 ppm
Number of Pump Strokes	10	5	1
Correction Factor	1/2	1	5
Sampling Time	45 seconds per pump stroke		
Detecting Limit	0.01 ppm (n=10)		
Colour Change	Blue → White		
Reaction Principle	Ozone reacts with indigo to form Isatin, which is white stain. O ₃ + Indicator → Chemical reaction product		
Coefficient of Variation	10% (for 0.05 to 0.2 ppm), 5% (for 0.2 to 0.6 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	≥1 ppm	Plus error	Produces White stain
Hypochlorous acid	-	Plus error	Produces White stain
Nitrogen dioxide	≥1 ppm	Plus error	Produces White stain
Oxidant	-	Plus error	Produces White stain
Chlorine	≥10 ppm	Plus error (Bleaching)	Produces unclear demarcation
Water vapour	100% relative humidity	Plus error	

Calibration gas generation Ozone generator

TLV-TWA	TLV-STEL	Explosive range
0.08 ppm	-	-