

**Performance**

Measuring Range	0.5 to 1 ppm	1 to 2 ppm	2 to 30 ppm	30 to 60 ppm
Number of Pump Strokes	8	4	2	1
Correction Factor	1/4	1/2	1	2
Sampling Time	1 minute per pump stroke			
Detecting Limit	0.1ppm (n=8)			
Colour Change	Blue → Yellow			
Reaction Principle	Sulphur dioxide reacts with barium chloride to generate hydrogen chloride to discolour the indicator to yellow.			
Coefficient of Variation	10% (for 2 to 10 ppm), 5% (for 10 to 30 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
Carbon monoxide, Nitric oxide	-	No effect	No discoloration
Carbon dioxide	100%	Faint demarcation	100% CO ₂ gives faint demarcation
Nitrogen dioxide	≥1/1	Plus error	Produces pale purple discoloration
Hydrogen sulphide	-	No effect	No discoloration

Other substance measurable with this detector tube

Substance	Correction Factor	pump strokes	Measuring range
Thionyl chloride	0.72	2	1.44 to 21.6 ppm

Calibration gas generation Permeation tube method

TLV-TWA	TLV-STEL	Explosive range
2ppm	5ppm	-

Special Note

If sulphur dioxide coexists with carbon dioxide, an unclear demarcation will result. In the case, please use sulphur dioxide tube 5LC.