



Performance

Measuring Range	0.1 to 0.25 ppm	(0.25) to 10 ppm	10 to 25 ppm
Number of Pump Strokes	4	2	1
Correction Factor	0.4	1	2.5
Sampling Time	2 minutes per pump stroke		
Detecting Limit	0.02 ppm (n=4)		
Colour Change	Bluish purple → White		
Reaction Principle	Sulphur dioxide reacts with reaction agent to produce intermediate product to discolour the reagent to white.		
Coefficient of Variation	10% (for 0.25 to 2 ppm), 5% (for 2 to 10 ppm)		
Shelf Life	3 Years		
Corrections for temperature & humidity	Temperature correction is necessary		

Store the tubes at cool and dark place.

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
Nitrogen dioxide	-	Minus error (Unclear demarcation)	Produces brown stain of 1 mm around inlet of the tube
Hydrogen sulphide	≥1/10	Plus error	Produce unclear demarcation and white stain.

Calibration gas generation Permeation tube method

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

Special Note

This detector tube is suitable for measuring sulphur dioxide coexisting with nitrogen, carbon dioxide or sulphur hexafluoride.