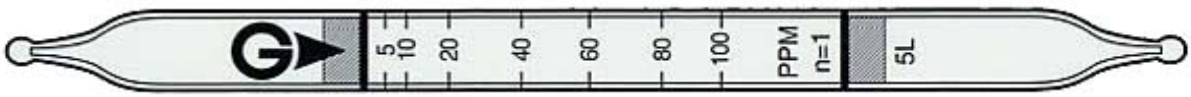
Sulphur dioxide SO_2 NO.5L



Performance

Measuring Range	1.25 to 2.5ppm	2.5 to 5ppm	5 to 100ppm	100 to 200ppm
Number of Pump Strokes	4	2	1	1/2
Correction Factor	1/4	1/2	1	2
Sampling Time	1 minute per pump stroke			
Detecting Limit	0.25ppm (n=4)			
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 5 to 20 ppm), 5% (for 20 to 100 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	-	No effect	No discoloration
Nitrogen dioxide	≧1/1	Plus error	Produces light purple discoloration
Hydrogen sulphide	-	No effect	No discoloration

Calibration gas generation Permeation tube method

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