

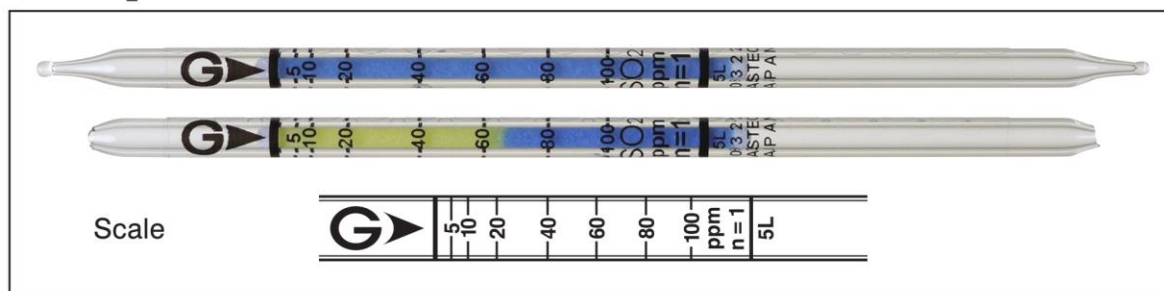


Sulphur Dioxide SO₂

Part No.: 5L

Sulphur Dioxide SO₂

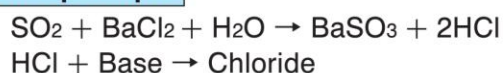
No.5L



Performance

Measuring range	1.25 to 2.5 ppm	2.5 to 5 ppm	5 to 100 ppm	100 to 200 ppm
Number of pump strokes	4 (400 mL)	2 (200 mL)	1 (100 mL)	1/2 (50 mL)
Correction factor	1/4	1/2	1	2
Sampling time	3 min	1.5 min	45 sec	30 sec
Detecting limit :	0.25 ppm (4 pump strokes)			
Colour change :	Blue → Yellow			
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction not used Relative humidity 0 to 90 % correction not used			
Relative standard deviation :	10 % (for 5 to 20 ppm) , 5 % (for 20 to 100 ppm)			
Tube quantity and number of tests per box :	10 tubes for 10 tests			
Shelf life :	36 months			

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Nitrogen dioxide	$\geq 1/1$	+	Pale purple
Carbon dioxide		No	} No
Carbon monoxide		No	
Hydrogen sulphide		No	
Nitric oxide		No	

Calibration gas generation

Permeation tube method