

Sulfur dioxideSO₂**NO.5M****Performance**

Measuring Range	20 to 100ppm	100 to 1800 ppm	1800 to 3600 ppm
Number of Pump Strokes	4	1	1/2
Correction Factor	1/5	1	2
Sampling Time	45 seconds per pump stroke		
Detecting Limit	4 ppm (n=4)		
Color Change	Purple → Yellow		
Reaction Principle	Sulfur dioxide reacts with barium chloride to liberate hydrogen chloride to discolor the pH indicator to yellow.		
Coefficient of Variation	10% (for 100 to 600 ppm), 5% (for 600 to 1800 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 (NOTE)

Substance	Concentration	Interference	Change color by itself
Carbon monoxide, Nitric oxide	-	No effect	No discoloration
Carbon dioxide	-	No effect	No discoloration
Nitrogen dioxide	1/10	Plus error	Produces white stain at 600 ppm or higher
Hydrogen sulfide	10 times	Minus error	No discoloration

Calibration gas generation High pressure gas cylinder method

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

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Policy Statement and Legal Notices

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