

**Sulfur dioxide**SO<sub>2</sub>**NO.5H****Performance**

<b>Measuring Range</b>	0.05 to 0.5%	0.5 to 4.0%	4.0 to 8.0%
<b>Number of Pump Strokes</b>	10 to 2	1	1/2
<b>Correction Factor</b>	1/2 to 1/10	1	2
<b>Sampling Time</b>	1 minute per pump stroke		
<b>Detecting Limit</b>	0.01% (n=10)		
<b>Color Change</b>	Orange → Green		
<b>Reaction Principle</b>	Sulfur dioxide reduces chromic acid to form chromic sulfate, which is green in color.		
<b>Coefficient of Variation</b>	10% (for 0.5 to 1 %), 5% (for 1 to 4 %)		
<b>Shelf Life</b>	3 Years		
<b>Corrections for temperature &amp; humidity</b>	Unnecessary		
<b>Store the tubes at cool and dark place.</b>			

**Possible coexisting substances and their interferences** (NOTE)

Substance	Concentration	Interference	Change color by itself
Carbon monoxide	-	No effect	No discoloration
Carbon dioxide	-	No effect	No discoloration
Nitrogen dioxide	-	No effect	No discoloration
Hydrogen sulfide	500 ppm	Plus 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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