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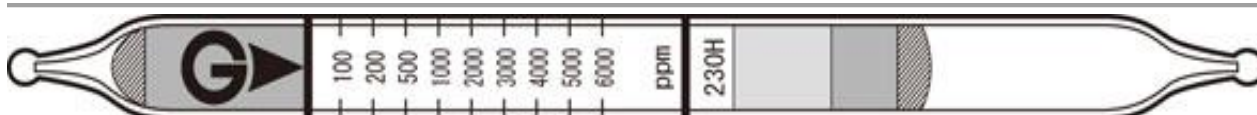
Gastec Tube Datasheet

Performance

Methyl Iodide

CH₃I

No. GAS230H



Measuring Range	100 to 6000 ppm	6000 to 15000 ppm	15000 to 34800 ppm
Number of Pump Strokes	2	1	1/2
Correction Factor	1	2.5	5.8
Sampling Time	1.5 minutes per pump stroke		
Detecting Limit	5 ppm(n=2)		
Colour Change	White → Dark Brown		
Reaction Principle	$\text{CH}_3\text{I} + \text{I}_2\text{O}_5 \longrightarrow \text{I}_2$		
Coefficient of Variation	5% (for 100 to 6000 ppm)		
Shelf Life	Up to 2 Year		
Corrections for temperature & humidity	Temperature correction is necessary		

Store the tubes in a cool and dark place

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
Carbon Monoxide	≥20 ppm	Plus error	Pale Brown (turns pale green at the end of staining)
Carbon Dioxide	-	No error	No discoloration
Methyl Bromide	-	Plus error	Pale yellow stain
Dichloromethane	-	Plus error	Pale orange stain

Calibration gas generation Diffusion tube method

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