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Gastec Tube Datasheet

Carbon Disulphide CS₂

NO.GAS13M



Performance

Measuring Range	20 to 50 ppm	50 to 1600 ppm	1600 to 4000 ppm
Number of Pump Strokes	2	1	1/2
Correction Factor	0.4	1	2.5
Sampling Time	2 minutes per pump stroke		
Detecting Limit	10 ppm (n=2)		
Colour Change	Purple → Yellow		
Reaction Principle	Carbon Disulfide reacts with primary tube to produce intermediate product which changes the indicator of analyzer tube to yellow.		
Coefficient of Variation	10% (for 50 to 400 ppm), 5% (for 400 to 1600 ppm)		
Shelf Life	Up to 3 Years		
Corrections for temperature & humidity	Temperature correction is necessary		
Store the tubes at cool and dark place.			

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
Sulphur Dioxide	≥1000 ppm	Plus error	Discolour yellow stain
Hydrogen Sulphide	≥1000 ppm	Plus error	Discolour yellow stain
Lower class Hydrocarbons	≥1000 ppm	Plus error	Discolour yellow stain
Carbonyl Sulphide	≥1000 ppm	Plus error	Discolour yellow stain

Calibration gas generation Diffusion tube method

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