



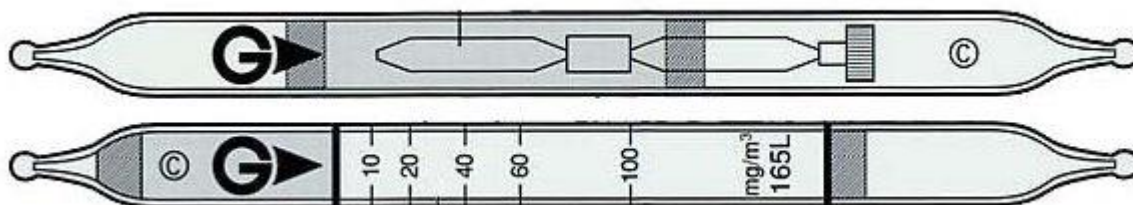
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Gastec Tube Datasheet

Ethylene Glycol

HOCH₂CH₂OH

No. GAS165L



Performance

Measuring Range	10 to 100 mg/m ³
Number of Pump Strokes	2
Correction Factor	1
Sampling Time	2 minutes per pump stroke
Detecting Limit	2 mg/m ³ (n=2)
Colour Change	Yellow → Reddish brown
Reaction Formula	Ethylene Glycol reacts with oxidizing agent to produce intermediate substance then react with analysing reagent to discolour the indicator to reddish brown colour.
Coefficient of Variation	15% (for 10 to 20 mg/m ³), 10% (for 20 to 150 mg/m ³)
Shelf Life	Up to 3 Years (if in refrigerator)
Corrections for temperature & humidity	Temperature correction is necessary

Store the tubes in the refrigerator to keep at 10°C (50°F) or below.

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
Aldehydes, Ketones, Acid gases	-	Plus error	Discolour reddish brown stain
Tetrahydrothiophene, tert-Butyl Mercaptan	≥1mg/m ³	Plus error	Discolour reddish brown at 1 mg/m ³ or higher

Calibration gas generation Vapour pressure method

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