



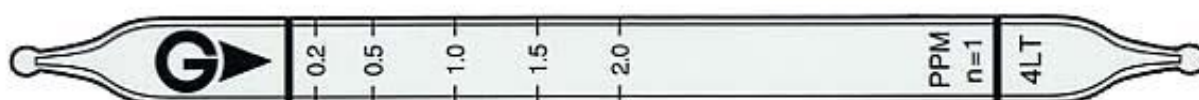
The people with the solutions that protect you and your environment everyday

Gastec Tube Datasheet

Hydrogen Sulphide

H₂S

NO.GAS4LT



Performance

Measuring Range	0.1 to 0.2 ppm	0.2 to 2.0 ppm	2.0 to 4.0 ppm
Number of Pump Strokes	2	1	1/2
Correction Factor	1/2	1	2
Sampling Time	1 minute per pump stroke		
Detecting Limit	0.05 ppm (n=2)		
Colour Change	Pale Yellow → Reddish Brown		
Reaction Principle	$\text{H}_2\text{S} + \text{HgCl}_2 \longrightarrow \text{HSHgCl} + \text{HCl}$ $\text{HCl} + \text{Base} \longrightarrow \text{Chloride}$		
Coefficient of Variation	10% (for 0.2 to 0.5 ppm), 5% (for 0.5 to 2 ppm)		
Shelf Life	Up to 2 Years (In the 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
Ammonia	-	No effect	No discoloration
Sulphur Dioxide	-	No effect	No discoloration
Nitrogen Dioxide	-	No effect	No discoloration
Mercaptans	≥1/10 time	Plus error	Produce reddish brown colour
Methyl Sulphide	-	No effect	No discoloration

Calibration gas generation Permeation tube method

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