



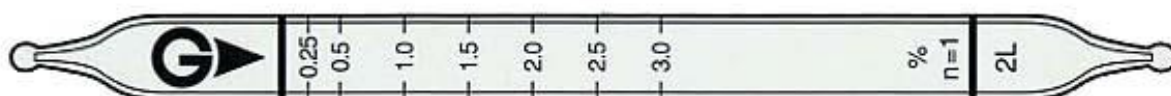
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Gastec Tube Datasheet

Carbon Dioxide

CO₂

NO.GAS2L



Performance

Measuring Range	0.13 to 0.25%	0.25 to 3%	3 to 6%
Number of Pump Strokes	2	1	1/2
Correction Factor	1/2	1	2
Sampling Time	2 minutes per pump stroke		
Detecting Limit	0.025% (n=2)		
Colour Change	White → Purple		
Reaction Principle	Carbon dioxide reacts with detecting agent to give indicator to purple.		
Coefficient of Variation	10% (for 0.25 to 1 %), 5% (for 1 to 3 %)		
Shelf Life	Up to 3 Years		
Corrections for temperature & humidity	Unnecessary		
Store the tubes at cool and dark place.			

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
Ammonia	-	No effect	No discoloration
Carbon Monoxide	-	No effect	No discoloration
Hydrogen chloride, Chlorine	-	No effect	No discoloration
Nitrogen oxides	-	No effect	No discoloration
Sulphur dioxide	-	No effect	No discoloration
Amines	-	No effect	No discoloration
Organic solvents	-	No effect	No discoloration

Calibration gas generation High pressure gas cylinder method

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