

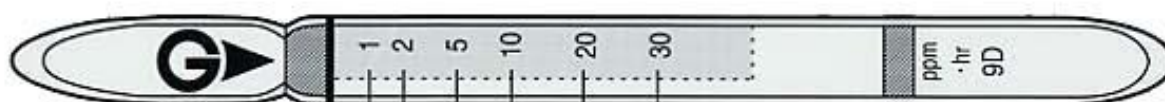


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Gastec Tube Datasheet

Nitrogen Dioxide NO₂

No.GAS9D



Performance

Measuring Range	0.1 to 30 ppm
Sampling Hours	1 to 10 hours
Detecting Limit	0.05 ppm (10 hours)
Colour Change	White → Yellow
Reaction Principle	Nitrogen dioxide oxidizes o-toluidine for form yellow colour stain. NO ₂ + o-Toluidine → Yellow product
Coefficient of Variation	10% (for 1 to 30 ppm-hr)
Shelf Life	Up to 1 Year
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
Bromine, Chlorine	-	Plus error	Discolour yellow stain
Ammonia Carbon Monoxide Nitric Oxide Sulphur Dioxide Organic Vapour	-	No effect	No discoloration

Calibration gas generation Permeation tube method

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