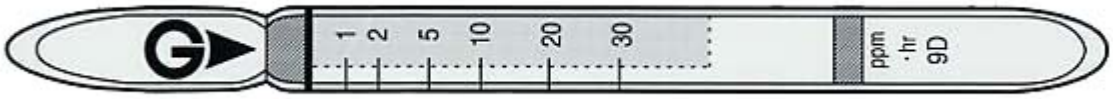
How to read this chart

Nitrogen dioxide NO_2 NO.9D



Performance

Measuring Range	0.1 to 30 ppm
Sampling Hours	1 to 10 hours
Detecting Limit	0.05 ppm (10 hours)
Color Change	White ⟶ Yellow
Reaction Principle	Nitrogen dioxide oxidizes o-toluidine for form yellow color stain. NO_2 + o-Toluidine ⟶ Yellow product
Coefficient of Variation	10% (for 1 to 30 ppm-hr)
Shelf Life	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 (NOTE)

Substance	Concentration	Interference	Change color by itself
Bromine,Chlorine	-	Plus error	Discolor yellow stain
Ammonia Carbon monoxiide Nitric oxide Sulfur dioxide Organic vapor	-	No effect	No discoloration

Calibration gas generation Permeation tube method

TLV-TWA	TLV-STEL	Explosive range
3ppm	5ppm	-

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