

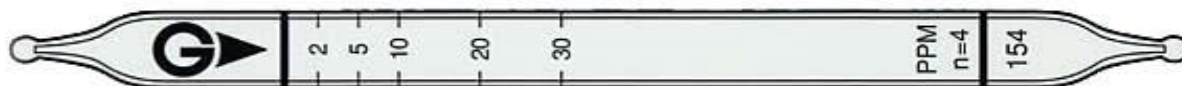


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Gastec Tube Datasheet

Cyclohexanone C₆H₁₀O

NO.GAS154



Performance

Measuring Range	2 to 30 ppm	30 to 75 ppm
Number of Pump Strokes	4	2
Correction Factor	1	2.5
Sampling Time	2 minutes per pump stroke	
Detecting Limit	0.2 ppm (n=4)	
Colour Change	Pale Yellow → Yellow	
Reaction Principle	Cyclohexanone reacts with 2,4-Dinitrophenylhydrazine to form Dinitrophenylhydrazone to produce yellow in colour.	
Coefficient of Variation	10% (for 2 to 10 ppm), 5% (for 10 to 30 ppm)	
Shelf Life	Up To 2 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
Ketones	-	Plus error	Produce yellow stain

Other substance measurable with this detector tube

Substance	Correction Factor	Pump Strokes	Measuring Range
Furfural	1.0	4	2 to 30 ppm
Diacetone alcohol	by scale	2	2.5 to 100 ppm
Isophorone	1.0	8	2 to 30 ppm

Calibration gas generation Diffusion tube method

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