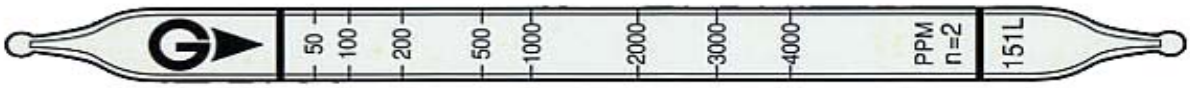
Acetone CH_3COCH_3 NO.151L



Performance

Measuring Range	50 to 4000 ppm	4000 to 12000 ppm
Number of Pump Strokes	2	1
Correction Factor	1	3
Sampling Time	2 minutes per pump stroke	
Detecting Limit	5 ppm (n=2)	
Colour Change	Yellow ⟶ Red	
Reaction Principle	$CH_3COCH_3 + (NH_2OH)_3H_3PO_4 \longrightarrow H_3PO_4$+ Base ⟶ Reddish product	
Coefficient of Variation	15% (for 50 to 500 ppm), 10% (for 500 to 4000 ppm)	
Shelf Life	2 Years	
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
Acrolein, Acetaldehyde	≧1/10 time	Plus error	Produce reddish stain
Aromatic hydrocarbons	-	No effect	No discoloration
Methyl isobutyl ketone	-	Plus error	Produce reddish stain
Methyl ethyl ketone	-	Plus error	Produce reddish stain

Other substance measurable with this detector tube

Substance	Correction Factor	Pump Strokes	Measuring Range
Methyl ethyl ketone	Factor: 0.42	5	21 to 1680 ppm
Propionaldehyde	Factor: 0.47	2	24 to 1880 ppm

Calibration gas generation Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
500ppm	750ppm	2.1 to 13%