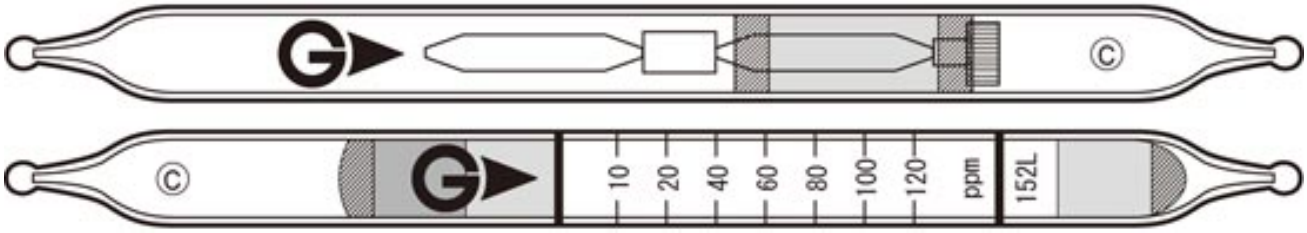
Methyl ethyl ketone $CH_3COC_2H_5$ NO.152L



Performance

Measuring Range	10 to 200 ppm	120 to 384 ppm
Number of Pump Strokes	1	1/2
Correction Factor	1	3.2
Sampling Time	2 minutes per pump stroke	
Detecting Limit	0.002% (n=2)	
Colour Change	Yellow ⟶ Reddish purple	
Reaction Principle	$CH_3COC_2H_5 + (NH_2OH)_3H_3PO_4 \longrightarrow H_3PO_4$	
Coefficient of Variation	5% (for 10 to 120 ppm)	
Shelf Life	2 Years	
Corrections for temperature & humidity	Temperature correction is necessary	
Store the tubes in the refrigerator to keep at 10ºC (50ºF) or below		

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
Acetaldehyde	-	Plus error	Produces reddish purple stain
Acetone	-	Plus error	Produces reddish purple stain
Acetic acid	-	No error	No discolouration
Ethyl acetate	-	Plus error	No discolouration
Trichloroethylene	-	No error	No discolouration
Toluene	-	No error	No discolouration
Hexane	-	No error	No discolouration
Methanol	≧50 ppm	Plus error	No discolouration
Diethyl ether	≧20 ppm	Plus error	No discolouration

Calibration gas generation Static gas dilution method

TLV-TWA	TLV-STEL	Explosive range
200ppm	300ppm	1.7 to 11.4%