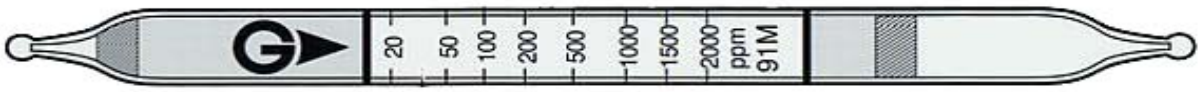
Formaldehyde HCHO NO.91M



Performance

Measuring Range	8 to 20ppm	20 to 2000ppm	2000 to 6400ppm
Number of Pump Strokes	2	1	1/2
Correction Factor	0.4	1	3.2
Sampling Time	1.5 minutes per pump stroke		
Detecting Limit	4 ppm (n=2)		
Colour Change	Yellow → Red		
Reaction Principle	$3HCHO + (NH_2OH)_3H_3PO_4 \rightarrow H_3PO_4$ H_3PO_4 + Base → Phosphate		
Coefficient of Variation	10% (for 20 to 500 ppm), 5% (for 500 to 2000 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	≧5 times	Plus error	Produces red stain at ≧20 ppm
Acetaldehyde	≧1/6 time	Plus error	Produces red stain at ≧3 ppm

Calibration gas generation Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
-	C 0.3ppm	7.0 to 73%