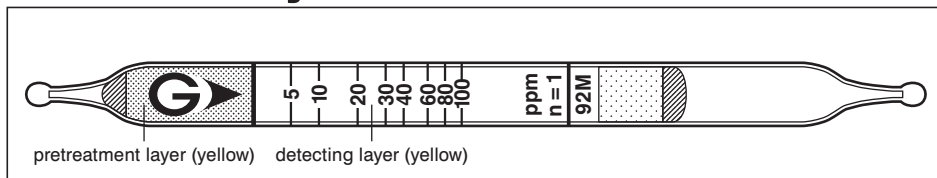


# Acetaldehyde $\text{CH}_3\text{CHO}$

No.92M

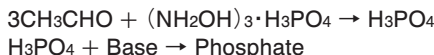


## Performance

Measuring range	2.5 to 5 ppm	5 to 100 ppm
Number of pump strokes	2 (200 ml)	1 (100 ml)
Correction factor	1/2	1
Sampling time	2 min	1 min

Detecting limit : 0.25 ppm (2 pump strokes)  
 Colour change : Yellow → Red  
 Corrections for temperature & humidity : Unnecessary  
 Relative standard deviation : 10 % (for 5 to 20 ppm), 5 % (for 20 to 100 ppm)  
 Shelf life : 2 years (in the refrigerator)

## Reaction principle



## Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Acetone	≧ 2 times	+	} Red
Acrolein	≧ 3/5	+	
Methyl ethyl ketone	≧ 6 times	+	
methyl isobutyl ketone	≧ 10 times	+	
Ammonia		-	No

Chlorine, hydrogen chloride and nitric acid are trapped in the pretreatment (yellow) layer.

## Calibration gas generation

Diffusion tube method