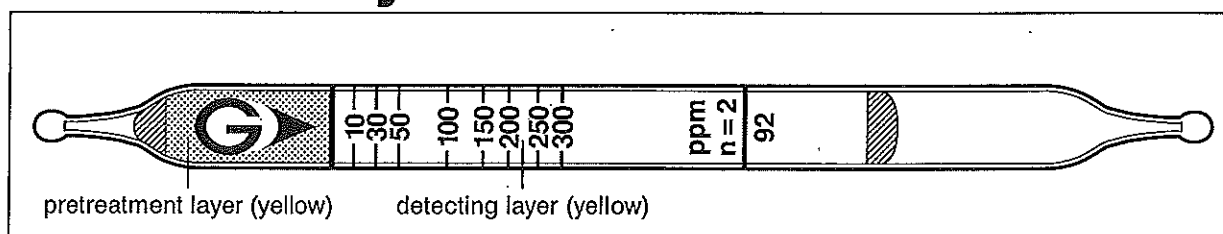


# Acetaldehyde CH<sub>3</sub>CHO

No.92



## Performance

Measuring range	5 to 10 ppm	10 to 300 ppm	300 to 750 ppm
Number of pump strokes	4 (400ml)	2 (200ml)	1 (100ml)
Correction factor	0.5	1	2.5
Sampling time	6 min	3 min	1.5 min

Detecting limit : 2 ppm (4 pump strokes)

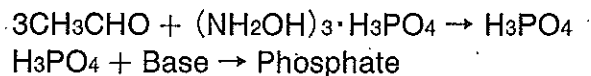
Colour change : Yellow → Red

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 10 % (for 10 to 100 ppm), 5 % (for 100 to 300 ppm)

Shelf life : 2 years (in the refrigerator)

## Reaction principle



## Possible coexisting substances and their interferences (NOTE : Page 2-5)

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.

## Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Diacetyl	by scale	3	25 to 1500 ppm

## Calibration gas generation

Diffusion tube method