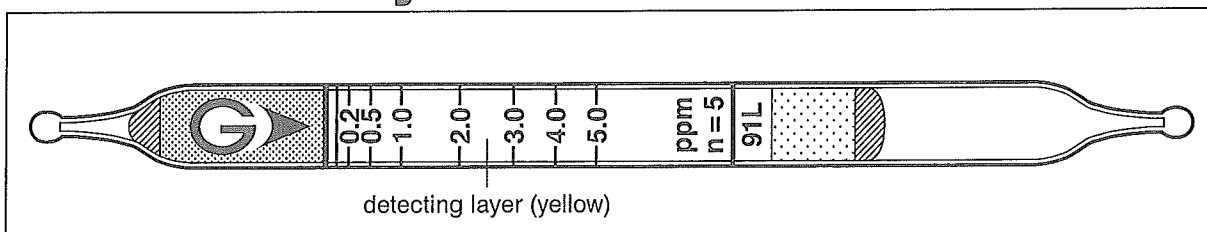


# Formaldehyde HCHO

No.91L

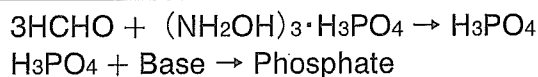


## Performance

Measuring range	(0.1) to 5 ppm	5 to 40 ppm
Number of pump strokes	5 (500 ml)	1 (100 ml)
Correction factor	1	8
Sampling time	7.5 min	1.5 min

Detecting limit : 0.05 ppm (5 pump strokes)  
 Colour change : Yellow → Reddish brown  
 Corrections for temperature & humidity : Temperature correction is necessary.  
 Relative standard deviation : 10 % (for 0.1 to 0.5 ppm), 5 % (for 0.5 to 5 ppm)  
 Shelf life : 3 years (in the refrigerator)

## Reaction principle



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

Substance	Concentration	Interference	Changes colour by itself to
Aldehydes, Ketones		+	Reddish brown
Acid gases		+	Red
Organic acids		No	No

## Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Benzaldehyde	by scale	1	4 to 92 ppm
Cyclohexanone	by scale	1/2	10 to 470 ppm
Diisobutyl ketone	Factor : 5.8	4	0.58 to 29 ppm
Methaldehyde	Factor : 0.65	3	0.065 to 3.25 ppm
Propionaldehyde	Factor : 7.6	1	0.76 to 38 ppm

## Calibration gas generation

Diffusion tube method