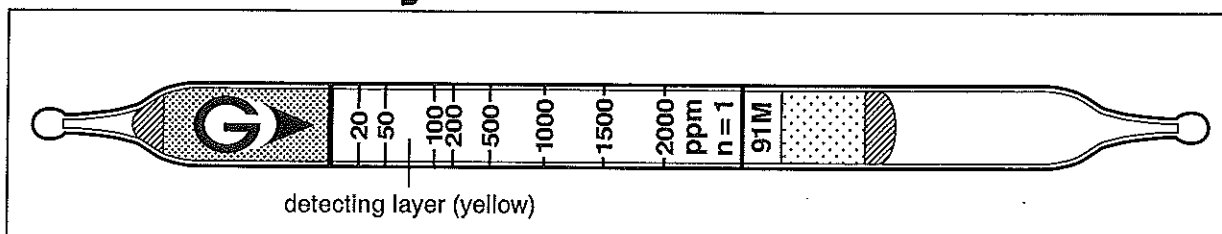


# Formaldehyde HCHO

No.91M



## Performance

|                        |             |                |                  |
|------------------------|-------------|----------------|------------------|
| Measuring range        | 8 to 20 ppm | 20 to 2000 ppm | 2000 to 6400 ppm |
| Number of pump strokes | 2 (200 ml)  | 1 (100 ml)     | 1/2 (50 ml)      |
| Correction factor      | 0.4         | 1              | 3.2              |
| Sampling time          | 2 min       | 1 min          | 30 sec           |

Detecting limit : 4 ppm (2 pump strokes)

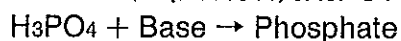
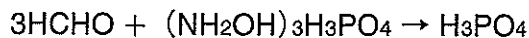
Colour change : Yellow → Red

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 10 % (for 20 to 500 ppm), 5 % (for 500 to 2000 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 |
|--------------|----------------|--------------|-----------------------------|
| Acrolein     | $\geq 5$ times | +            | Red ( $\geq 20$ ppm)        |
| Acetaldehyde | $\geq 1/6$     | +            | Red ( $\geq 3$ ppm)         |

## Calibration gas generation

Diffusion tube method