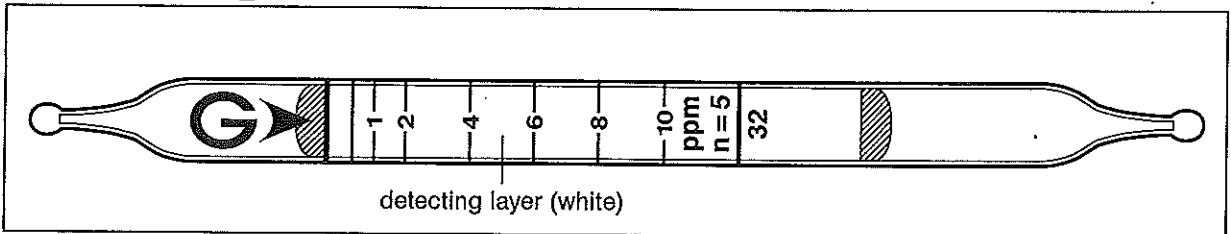


# Hydrogen Peroxide $H_2O_2$

No.32



## Performance

|                        |               |
|------------------------|---------------|
| Measuring range        | 0.5 to 10 ppm |
| Number of pump strokes | 5 (500 ml)    |
| Correction factor      | 1             |
| Sampling time          | 4 min         |

Detecting limit : 0.1 ppm (5 pump strokes)

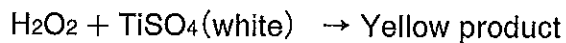
Colour change : White → Yellow

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 10 % (for 0.5 to 2 ppm), 5 % (for 2 to 10 ppm)

Shelf life : 3 years

## Reaction principle



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

| Substance        | Concentration | Interference        | Changes colour by itself to |
|------------------|---------------|---------------------|-----------------------------|
| Chlorine, Ozone  |               | No                  | } No                        |
| Nitrogen dioxide |               | No                  |                             |
| Acetaldehyde     | $\geq 50$ ppm | Unclear demarcation |                             |
| Formaldehyde     | $\geq 10$ ppm | —                   |                             |

## Calibration gas generation

Diffusion tube method