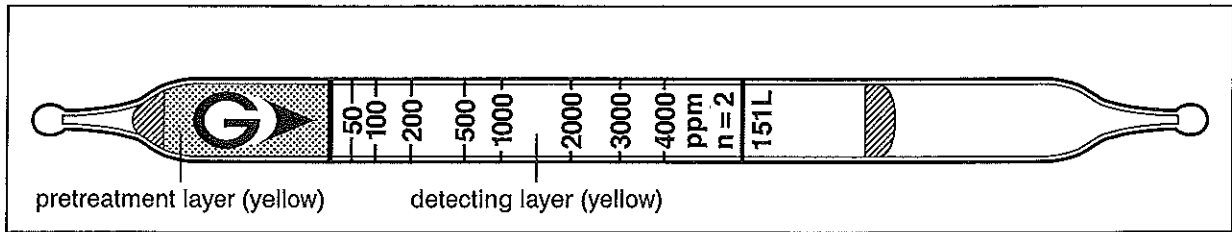


# Acetone $\text{CH}_3\text{COCH}_3$

No.151L



## Performance

|                        |                |                   |
|------------------------|----------------|-------------------|
| Measuring range        | 50 to 4000 ppm | 4000 to 12000 ppm |
| Number of pump strokes | 2 (200 ml)     | 1 (100 ml)        |
| Correction factor      | 1              | 3                 |
| Sampling time          | 4 min          | 2 min             |

Detecting limit : 5 ppm (2 pump strokes)

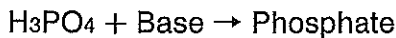
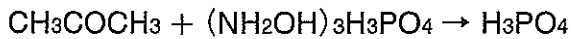
Colour change : Yellow → Red

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 15 % (for 50 to 500 ppm), 10 % (for 500 to 4000 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 |
|------------------------|---------------|--------------|-----------------------------|
| Acetaldehyde           | $\geq 1/10$   | +            | } Red                       |
| Acrolein               | $\geq 1/10$   | +            |                             |
| Methyl ethyl ketone    |               | +            |                             |
| Methyl isobutyl Ketone |               | +            |                             |
| Aromatic hydrocarbons  |               | No           | No                          |

## Other substances measurable with this detector tube

| Substance           | Correction    | No. of pump strokes | Measuring range |
|---------------------|---------------|---------------------|-----------------|
| Methyl ethyl ketone | Factor : 0.42 | 5                   | 21 to 1680 ppm  |
| Propionaldehyde     | Factor : 0.47 | 2                   | 24 to 1880 ppm  |

## Calibration gas generation

Diffusion tube method