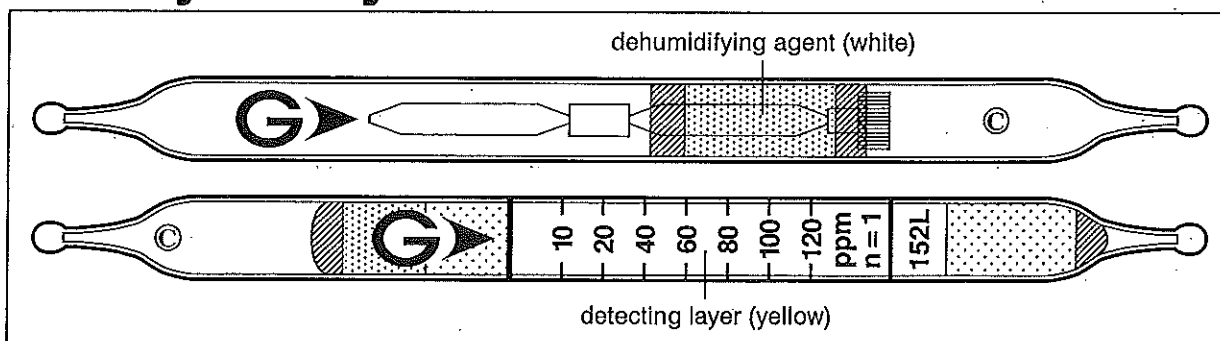


Methyl Ethyl Ketone $\text{CH}_3\text{COC}_2\text{H}_5$

No. 152L



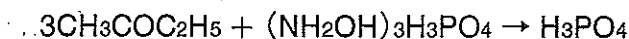
Performance

When used, these tubes are to be connected. See page 2-3.

| | | |
|------------------------|---------------|----------------|
| Measuring range | 10 to 120 ppm | 120 to 384 ppm |
| Number of pump strokes | 1 | 1/2 |
| Correction factor | 1 | 3.2 |
| Sampling time | 2 min | 1 min |

Detecting limit : 3 ppm (1 pump stroke)
 Colour change : Yellow → Reddish purple
 Corrections for temperature & humidity : Temperature correction is necessary.
 Relative standard deviation : 5 % (for 10 to 120 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 | | + | Reddish purple |
| Acetone | | + | Reddish purple |
| Acetic acid | | No | } No |
| Ethyl acetate | | + | |
| Diethyl ether | ≥ 20 ppm | + | |
| Trichloroethylene | | No | |
| Toluene | | No | |
| Hexane | | No | |
| Methanol | ≥ 50 ppm | + | |

Calibration gas generation

Diffusion tube method

TLV-TWA : 200 ppm

TLV-STEL : 300 ppm

Explosive range : 1.7 to 11.4 %