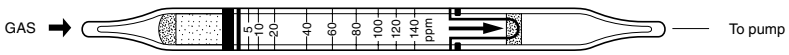
Tube No.
133SB

ACETALDEHYDE



1. PERFORMANCE

1) Measuring range : 5-140 ppm
   Number of pump strokes 1(100mℓ)
2) Sampling time : 1 minute/1 pump stroke
3) Detectable limit : 2 ppm
4) Shelf life : 2 years(Necessary to store in a refrigerated place ; 0 ~ 10℃)
5) Operating temperature : 10 ~ 40℃
6) Operating humidity : 20 ~ 80 % R.H.
7) Reading : Direct reading from the scale calibrated by 1 pump stroke
8) Colour change : Yellow→Pink

2. RELATIVE STANDARD DEVIATION

RSD-low : 10 % RSD-mid. : 5 % RSD-high : 5 %

3. CHEMICAL REACTION

By reacting with Hydroxylamine hydrochloride, Hydrogen chloride is liberated and PH indicator discoloured.

$CH_3CHO + (NH_2OH)_3 \cdot H_3PO_4 \rightarrow H_3PO_4 + CH_3CH = NOH + H_2O$

4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Other Aldehydes	Similar atain is produced.	Higher readings are given.
Ketones	〃	〃
Ethanol FIG. 1	The accuracy of readings is not affected.	〃

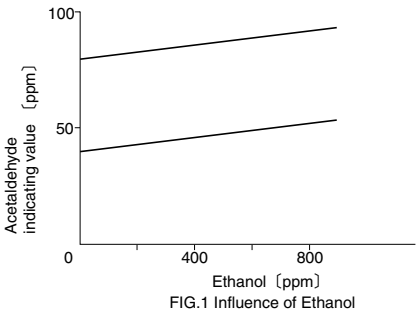


FIG.1 Influence of Ethanol