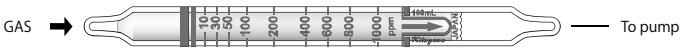
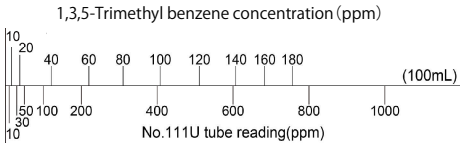
Tube No.
111U ©

1,3,5-TRIMETHYL BENZENE





1. PERFORMANCE

1) Measuring range : 10-180ppm
   Number of pump strokes 1 (100mL)
2) Sampling time : 1.5 minutes / 1 pump stroke
3) Detectable limit : 1 ppm
4) Shelf life : 2 years
5) Operating temperature : 0～40℃
6) Reading : The tube scales are calibrated based on Ethyl acetate at 1 pump stroke and 1,3,5-trimethyl benzene is determined by using a conversion chart
7) Colourchange : Yellow → Dark brown

2. RELATIVE STANDARD DEVIATION

RSD-low : — RSD-mid. : — RSD-high : —

3. CHEMICAL REACTION

Chromiumoxideis reduced.

$C_6H_3(CH_3)_3 + Cr^{6+} + H_2SO_4 \rightarrow Cr^{3+}$

4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Alcohols	Brown stain is produced.	Higher readings are given.
Ethers	〃	〃
Ketones	〃	〃
Aromatic hydrocarbons	〃	〃
Aliphatic hydrocarbons (more than C_3)		Double-layer stain is produced. If the maximum end point of the stain is discernable, the accuracy of readings is not affected.
Halogenated hydrocarbons	〃	〃