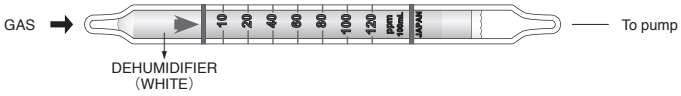
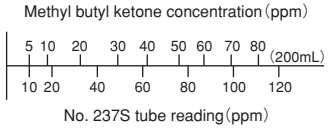
Tube No.
237S Ⓒ

METHYL BUTYL KETONE





1. PERFORMANCE

1) Measuring range	: 5-80 ppm
Number of pump strokes	2 (200mL)
2) Sampling time	: 3 minutes / 2 pump strokes
3) Detectable limit	: —
4) Shelf life	: 2 years
5) Operating temperature	: 15～25℃
6) Reading	: The tube scales are calibrated based on Vinyl acetate at 1 pump stroke and Methyl butyl ketone concentration is determined by using a conversion chart at 2 pump strokes
7) Colour change	: Yellow → Pale blue

2. RELATIVE STANDARD DEVIATION

RSD-low : — RSD-mid. : — RSD-high : —

3. CHEMICAL REACTION

Chromium oxide is reduced.

$CH_3(CH_2)_3COCH_3 + Cr^{6+} + H_2SO_4 \rightarrow Cr^{3+}$

4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Acetic acid	The accuracy of readings is not affected.	—	The accuracy of readings is not affected.
Ethylene	Pale brown or pale blue stain is produced.	150	Lower readings are given.
Alcohols	Similar stain is produced.	—	Higher readings are given.
Ethers	〃	—	〃
Aliphatic hydrocarbons (more than C_3)	Whole layer is changed to pale brown.	—	〃
Aromatic hydrocarbons	〃	—	〃
Halogenated hydrocarbons	〃	—	〃
Esters	〃	—	〃