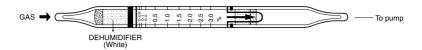
PROPYLENE OXIDE



1. PERFORMANCE

1) Measuring range 1.0-5.0% 0.05-3.0%Number of pump strokes $1/2(50m\ell)$ $1(100m\ell)$ 2) Sampling time 1.5 minutes/1 pump stroke

3) Detectable limit ∴ 20 ppm 4) Shelf life ∴ 3 years 5) Operating temperature ∴ 0 ~ 40 °C

6) Reading : Direct reading from the scale calibrated by 1 pump stroke

7) Colour change : Orange → Dark brown

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

Potassium dichromate is reduced. $CH_3CHCH_2O + Cr^{6+} + H_2SO_4 \rightarrow Cr^{3+}$

4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

(50ml actual value)

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Substance		Interference	ppm	Coexistence
Aromatic hydrocarbons	FIG.1	Similar stain is produced.		Higher readings are given.
Esters	FIG.2	"		"
Ketones		"		"
Alcohols	FIG.3	"		"
Halogenated hydrocarbons		Whole reagent is changed to Brown.	0.5%	"

(NOTE)

In case of 1/2 pump strokes, following conversion scale is available for actual concentration.

