

## 1. PERFORMANCE

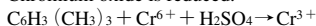
- |                          |   |
|--------------------------|---|
| 1) Measuring range       | : 10-250 ppm  |
| Number of pump strokes   | 1 (100mℓ)   |
| 2) Sampling time         | : 1.5 minutes/1 pump stroke   |
| 3) Detectable limit      | : 1 ppm   |
| 4) Shelf life            | : 2 years   |
| 5) Operating temperature | : 0 ~ 40 °C   |
| 6) Reading               | : Graduations printed on the tube are calibrated by Ethyl acetate at 1 pump stroke and 1,2,4-trimethyl benzene is determined by using a conversion chart. |
| 7) Colour change         | : Yellow → Dark brown   |

## 2. RELATIVE STANDARD DEVIATION

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

## 3. CHEMICAL REACTION

Chromium oxide is reduced.



## 4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Alcohols	Brown stain is produced.	Higher readings are given.
Esters	∕	∕
Ketones	∕	∕
Aromatic hydrocarbons	∕	∕
Aliphatic hydrocarbons (more than C <sub>3</sub> )		Double-layer stain is produced. If the dark brown stain is clear, the readings can be obtained by it.
Halogenated hydrocarbons		∕

