

## 1. PERFORMANCE

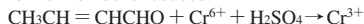
- 1) Measuring range : 2-40 ppm  
Number of pump strokes : 3 (300ml)
- 2) Sampling time : 4.5 minutes/3 pump strokes
- 3) Detectable limit : —
- 4) Shelf life : 2 years
- 5) Operating temperature : 15 ~ 25 °C
- 6) Reading : The tube scale is calibrated based on Ethyl cellosolve at 3 pump strokes and Crotonaldehyde concentration is determined by using a conversion chart at 3 pump strokes
- 7) Colour change : Yellow → Pale blue

## 2. RELATIVE STANDARD DEVIATION

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

## 3. CHEMICAL REACTION

Chromium oxide is reduced.



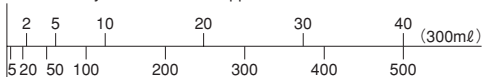
## 4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Alcohols	Similar stain is produced.	Higher readings are given.
Ethers	∕	∕
Aliphatic hydrocarbons (more than C <sub>3</sub> )	Whole reagent is changed to Brown.	∕
Aromatic hydrocarbons	∕	∕
Esters	∕	∕
Ketones	∕	∕
Halogenated hydrocarbons	∕	∕

Crotonaldehyde concentration (ppm)



No. 190U tube reading (ppm)