

1. PERFORMANCE

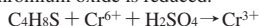
- 1) Measuring range : 4-100 ppm
Number of pump strokes : 3 (300mℓ)
- 2) Sampling time : 4.5 minutes/3 pump strokes
- 3) Detectable limit : —
- 4) Shelf life : 2 years
- 5) Operating temperature : 15 ~ 25 °C
- 6) Reading : The tube scale is calibrated based on Ethyl cellosolve at 3 pump strokes and Tetrahydrothiophene 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.



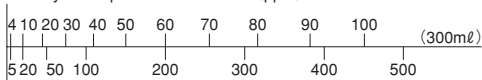
4. CALIBRATION OF THE TUBE

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 ₃)	∕	∕
Ketones	∕	∕
Aromatic hydrocarbons	Whole reagent is changed to Brown.	∕
Esters	∕	∕
Halogenated hydrocarbons	∕	∕

Tetrahydrothiophene concentration (ppm)



No. 190U tube reading (ppm)