

1. PERFORMANCE

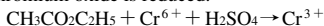
- 1) Measuring range : 0.1-5.0 %
Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 10 ppm
- 4) Shelf life : 3 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : Orange → Brownish green

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	ppm	Coexistence
Acetylene		3%	Whole reagent is discoloured to Brown.
Propane		0.2%	∕
Other organic or vapours except Halogenated hydrocarbons	Similar stain is produced.	50	Higher reading are given.

TEMPERATURE CORRECTION TABLE

Scale Readings (%)	True Concentration (%)				
	0 °C (32 °F)	10 °C (50 °F)	20 °C (68 °F)	40 °C (104 °F)	
5.0	—	—	5.0	4.0	3.0
4.5	—	—	4.5	3.6	2.7
4.0	—	5.8	4.0	3.2	2.4
3.5	—	5.0	3.5	2.8	2.1
3.0	—	4.2	3.0	2.3	1.7
2.5	—	3.5	2.5	1.9	1.4
2.0	—	2.6	2.0	1.5	1.1
1.5	2.6	1.9	1.5	1.1	0.7
1.0	1.5	1.2	1.0	0.7	0.4
0.5	0.6	0.6	0.5	0.3	0.2
0.3	0.4	0.3	0.3	0.2	0.1
0.1	0.1	0.1	0.1	0.1	0.1