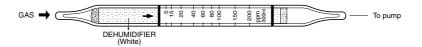
METHYL CYCLOHEXANOL



1. PERFORMANCE

1) Measuring range 5-200 ppmNumber of pump strokes $3(300 \text{m} \ell)$

2) Sampling time : 4.5 minutes/3 pump strokes

3) Detectable limit : 1 ppm 4) Shelf life : 2 years

4) Shelf life : 2 years 5) Operating temperature : $10 \sim 40 \,^{\circ}\text{C}$

6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE") 7) Reading : Direct reading from the scale calibrated by 3 pump strokes

8) 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.

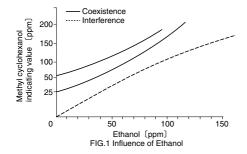
 $CH_3C_6H_{10}OH + Cr^{6+} + H_2SO_4 \rightarrow Cr^{3+}$

4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence	
Aliphatic hydrocarbons	Whole reagent is changed to Pale brown. The accuracy of reading affected.		
Aromatic hydrocarbons	"	"	
Halogenated hydrocarbons	"	"	
Alcohols FIG.	Similar stain is produced. Higher readings are given		
Esters	Pale ringed stain is produced near the bottom of the reagent.	The accuracy of readings is not affected.	



TEMPERATURE CORRECTION TABLE

TENNI ENVIRONE CONTILECTION INDEE							
	Scale	True Concentration (ppm)					
	Readings (ppm)	10℃ (50°F)	20°C (68°F)	(86°F)	40 ℃ (104 ° F)		
	200	_	200	110	65		
	150	_	150	85	52		
	100	_	100	60	40		
	80	170	80	50	30		
	60	110	60	35	25		
	40	70	40	25	15		
	20	40	20	15	10		
	10	20	10	7	5		
	5	10	5	4	3		