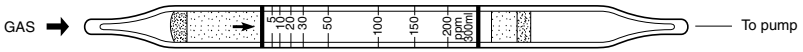
Tube No.
113SC n-HEXANE



1. PERFORMANCE

1) Measuring range : 20-800 ppm 5-200 ppm
Number of pump strokes 1(100mℓ) 3(300mℓ)
2) Sampling time : 6 minutes/3 pump strokes
3) Detectable limit : 2 ppm(300mℓ)
4) Shelf life : 2 years
5) Operating temperature : 0～40℃
6) Temperature compensation : Necessary(TEMPERATURE CORRECTION TABLE is provided.)
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. : 5% RSD-high : 5%

3. CHEMICAL REACTION

Chromium oxide is deoxidized.

$CH_3(CH_2)_4CH_3 + Cr^{6+} + H_2SO_4 \rightarrow Cr^{3+}$

4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Methyl alcohol		500	Not affected.
Ethyl acetate		500	〃
Methyl ethyl ketone		500	〃
Toluene	Brown stain is produced.		Higher readings are given.

(NOTE)

In case of 1 pump stroke, following equation is available for the actual concentration.
Actual concentration = Temperature corrected value × 4

TEMPERATURE CORRECTION TABLE

Tube Readings (ppm)	Corrected Concentration (ppm)				
	0℃ (32°F)	10℃ (50°F)	20℃ (68°F)	30℃ (86°F)	40℃ (104°F)
200	250	225	200	185	170
150	180	165	150	145	135
100	120	110	100	95	85
50	60	55	50	45	40
30	35	30	30	30	25
20	20	20	20	20	20
10	10	10	10	10	10
5	5	5	5	5	5