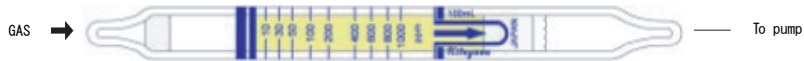


Tube No.
111U

* Please scroll down for the conversion chart
* Scroll aub volledig naar beneden voor de conversiekaart

ETHYL ACETATE



1. PERFORMANCE

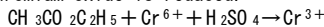
- 1) Measuring range : 10-1,000 ppm
Number of pump strokes : 1(100mL)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 5 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 10~40°C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : Yellow→Brown

2. RELATIVE STANDARD DEVIATION

RSD-low : 10% RSD-mid. : 10% RSD-high : 5%

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 reading are given.
Esters	"	"
Ketones	"	"
Aromatic hydrocarbons	"	"
Paraffin hydrocarbons	Whole reagent is discoloured Pale brown.	If the top of brown stain is clear, the accuracy of readings is not affected.
Halogenated hydrocarbons	"	"

FIG. 1

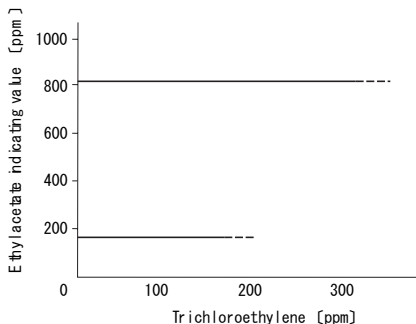


FIG. 1 Influence of Trichloroethylene

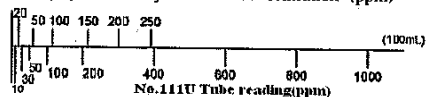
TEMPERATURE CORRECTION COEFFICIENT TABLE

Scale Readings (ppm)	Correction Coefficient (at 20°C)						
	10 °C (50 °F)	15 °C (59 °F)	20 °C (68 °F)	25 °C (77 °F)	30 °C (86 °F)	35 °C (95 °F)	40 °C (104 °F)
1,000	1.33	1.17	1.0	0.87	0.74	0.64	0.53
800	1.38	1.19	1.0	0.86	0.73	0.63	0.53
600	1.40	1.20	1.0	0.86	0.72	0.63	0.53
400	1.40	1.20	1.0	0.85	0.70	0.58	0.46
200	1.40	1.20	1.0	0.84	0.68	0.55	0.42
100	1.50	1.25	1.0	0.81	0.62	0.48	0.33
50	1.50	1.25	1.0	0.77	0.54	0.43	0.32
30	1.50	1.25	1.0	0.77	0.53	0.42	0.30
10	1.50	1.25	1.0	0.75	0.50	0.40	0.30

4. CONVERSION CHART

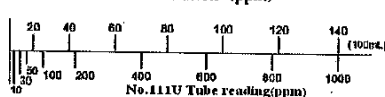
○ 1, 2, 4-Trimethyl benzene

1, 2, 4-Trimethyl benzene concentration (ppm)



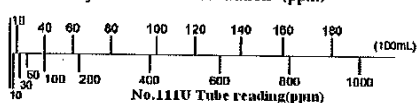
○ Cumene

Cumene concentration (ppm)



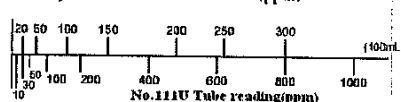
○ Diethyl benzene

Diethyl benzene concentration (ppm)



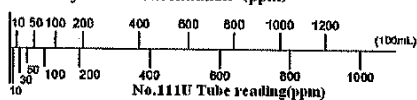
○ Cyclohexene

Cyclohexene concentration (ppm)



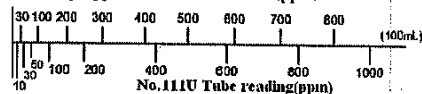
○ Butyl ether

Butyl ether concentration (ppm)



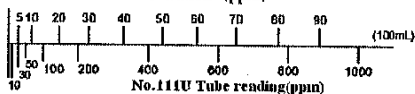
○ Isopropyl ether

Isopropyl ether concentration (ppm)



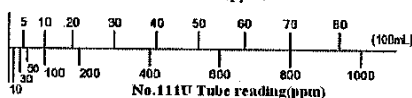
○ n-Decane

n-Decane concentration (ppm)



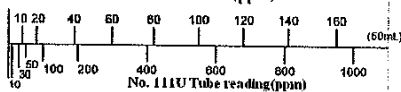
○ n-Nonane (100mL)

n-Nonane concentration (ppm)



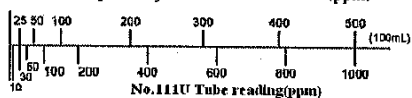
○ n-Nonane (50mL)

n-Nonane concentration (ppm)



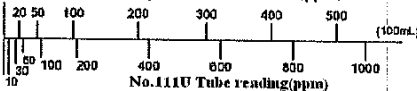
○ tert-Butyl methyl ether

tert-Butyl methyl ether concentration (ppm)



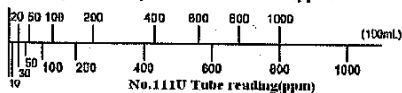
○ Ethyl methacrylate

Ethyl methacrylate concentration (ppm)



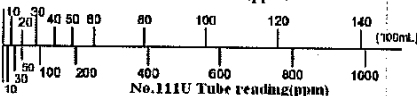
○ Butyl methacrylate

Butyl methacrylate concentration (ppm)



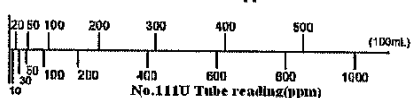
○ n-Undecane

n-Undecane concentration (ppm)



○ tert-Butanol

tert-Butanol concentration (ppm)



○ Decahydronaphthalene

Decahydronaphthalene concentration (ppm)

