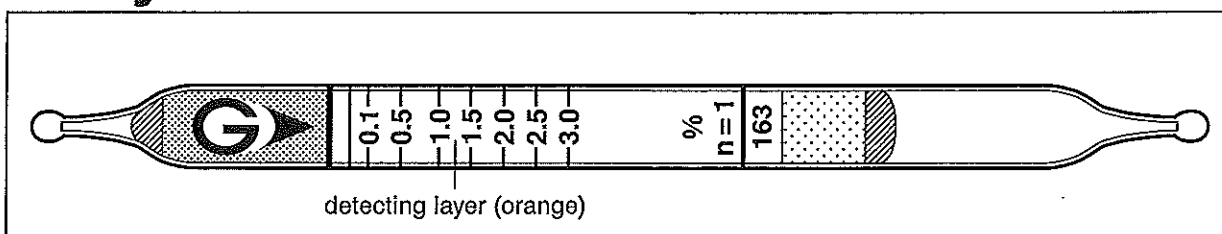


Ethylene Oxide C₂H₄O

No.163



Performance

Measuring range	(0.05) to 3.0 %
Number of pump strokes	1 (100 ml)
Correction factor	1
Sampling time	45 sec

Detecting limit : 0.02 % (1 pump stroke)

Colour change : Orange → Green

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 10 % (for 0.05 to 1.0 %), 5 % (for 1.0 to 3.0 %)

Shelf life : 3 years

Reaction principle



Possible coexisting substances and their interferences (NOTE : Page 2-5)

Substance	Concentration	Interference	Changes colour by itself to
Alcohols		+	} Green
Aromatic hydrocarbons		+	
Esters		+	
Ketones		+	

Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
1,4-Dioxane	Factor : 2.0	1	0.1 to 6.0 %
Propylene oxide	Factor : 1.3	1	0.065 to 3.9 %

Calibration gas generation

Static gas dilution method