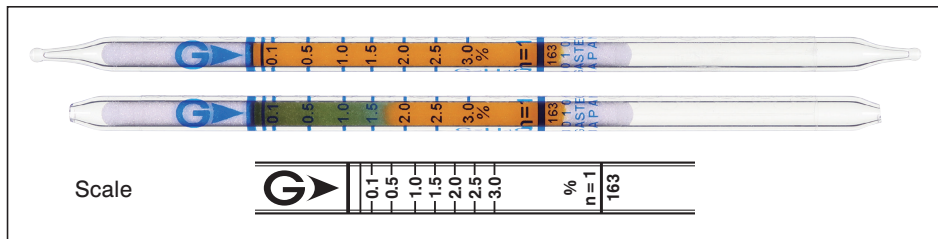


# Ethylene Oxide C<sub>2</sub>H<sub>4</sub>O

No.163



**Performance** The minimum scale value (0.05%) is not printed on the tube, but only the scale line is printed.

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
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction not used Relative humidity 0 to 90 % correction not used
Relative standard deviation :	10 % (for 0.05 to 1.0 %), 5 % (for 1.0 to 3.0 %)
Tube quantity and number of tests per box :	10 tubes for 10 tests
Shelf life :	36 months

## Reaction principle



## Possible coexisting substances and their interferences

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

High pressure gas cylinder method