

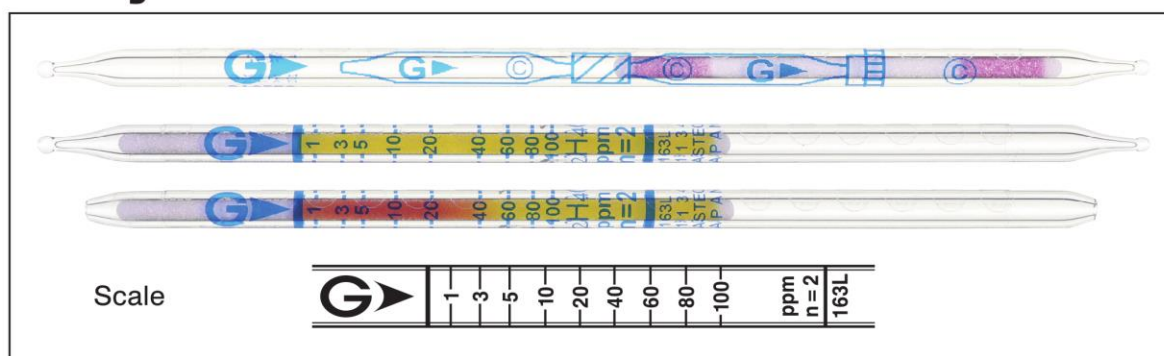


## Ethylene Oxide C<sub>2</sub>H<sub>4</sub>O

Part No.:163L

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

No.163L



### Performance

When used, these tubes are to be connected. See page 2-3.

Measuring range	0.4 to 1 ppm	1 to 100 ppm	100 to 550 ppm
Number of pump strokes	4 (400 mL)	2 (200 mL)	1 (100 mL)
Correction factor	0.4	1	5.5
Sampling time	12 min	6 min	3 min

Detecting limit : 0.1 ppm (4 pump strokes)

Colour change : Yellow → Reddish brown

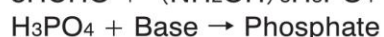
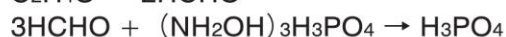
Operating conditions : Temperature 0 to 40 °C (32 to 104 °F) correction used  
Relative humidity 0 to 90 % correction not used

Relative standard deviation : 15 % (for 1 to 20 ppm), 10 % (for 20 to 100 ppm)

Tube quantity and number of tests per box : 10 tubes for 5 tests

Shelf life : 12 months (in the refrigerator)

### Reaction principle



### Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Aldehydes		+	} Reddish brown
Ketones		+	

### Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Epichlorohydrin	Factor : 1.2	2	1.2 to 120 ppm
Propylene oxide	Factor : 1.0	1	1 to 100 ppm

### Calibration gas generation

Permeation tube method