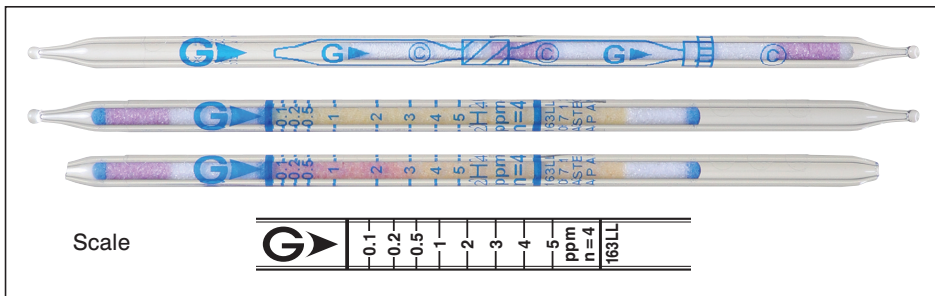


Ethylene Oxide C₂H₄O

No.163LL



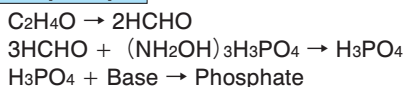
Performance

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

Measuring range	0.1 to 5 ppm	5 to 10 ppm
Number of pump strokes	4 (400 mL)	2 (200 mL)
Correction factor	1	2
Sampling time	8 min	4 min

Detecting limit :	0.05 ppm (4 pump strokes)
Colour change :	Yellow → Pale orange
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction used Relative humidity 0 to 80 % correction not used
Relative standard deviation :	15 % (for 0.1 to 1 ppm), 10 % (for 1 to 5 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
Acetaldehyde	1.5 ppm	+	Pale orange
Ketones	15 ppm	+	Pale orange
Alcohols	300 ppm	-	No
Formaldehyde	0.5 ppm	+	Pale orange

Calibration gas generation

Permeation tube method