

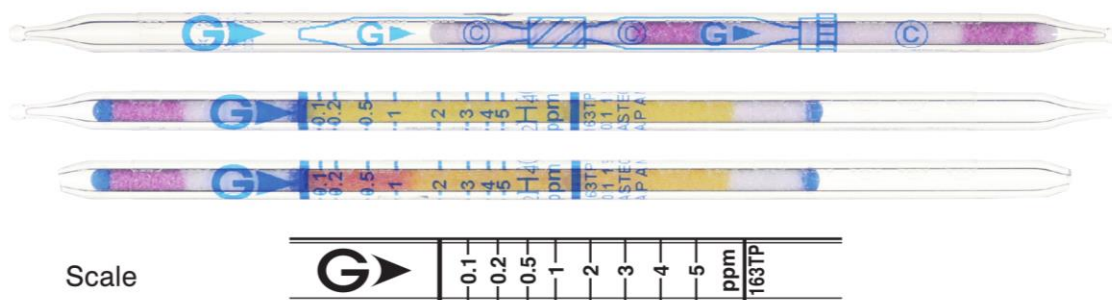


Ethylene Oxide C₂H₄O

Part No.:163TP

Detector tube

Ethylene Oxide C₂H₄O No.163TP

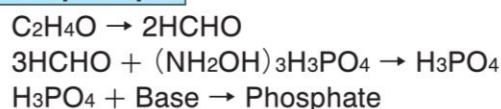


Performance

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

Measuring range	0.1 to 5 ppm
Sampling rate	50 mL/min (500 mL)
Correction factor	1
Sampling time	10 min
Detecting limit :	0.05 ppm (500 mL)
Colour change :	Yellow → Pale orange
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction used Relative humidity 10 to 90 % correction not used
Relative standard deviation :	10 % (for 0.1 to 1 ppm), 5 % (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
Formaldehyde	0.6 ppm	+	Pale orange
Acetaldehyde	2.0 ppm	+	Pale orange
Ketones	15 ppm	+	Pale orange
Alcohols	300 ppm	-	No

Calibration gas generation

Permeation tube method