

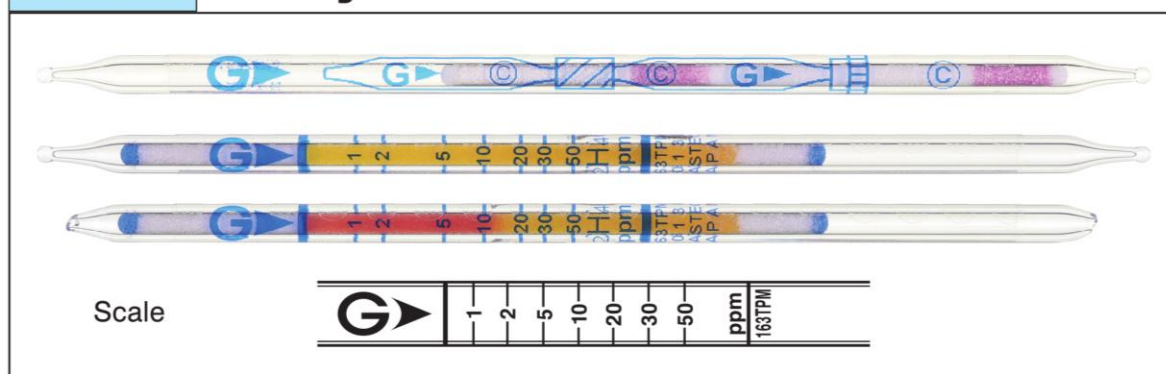


Ethylene Oxide C₂H₄O

Part No.:163TPM

Detector tube

Ethylene Oxide C₂H₄O No.163TPM

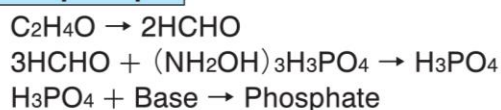


Performance

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

Measuring range	1 to 50 ppm
Sampling rate	50 mL/min (500 mL)
Correction factor	1
Sampling time	10 min
Detecting limit :	0.1 ppm (500 mL)
Colour change :	Yellow → Reddish brown
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 1 to 10 ppm), 5 % (for 10 to 50 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	3.5 ppm	+	Reddish brown
Alcohols	300 ppm	-	No
Ketones	8.5 ppm	+	Reddish brown
Formaldehyde	5.0 ppm	+	Reddish brown

Calibration gas generation

Permeation tube method