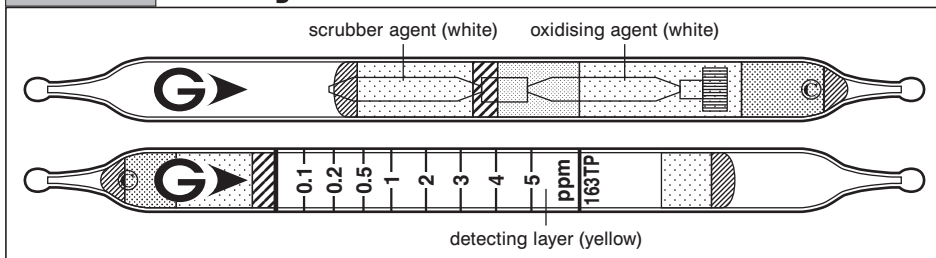


Detector tube

Ethylene Oxide C_2H_4O No.163TP

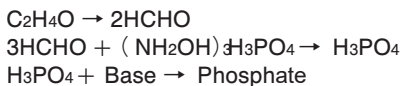


Performance

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
 Corrections for temperature : Necessary for 0 to 40°C
 Corrections for humidity : Unnecessary for R.H. 10 to 90 %
 Relative standard deviation : 10 % (for 0.1 to 1 ppm), 5 % (for 1 to 5 ppm)
 Shelf life : 1 year (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