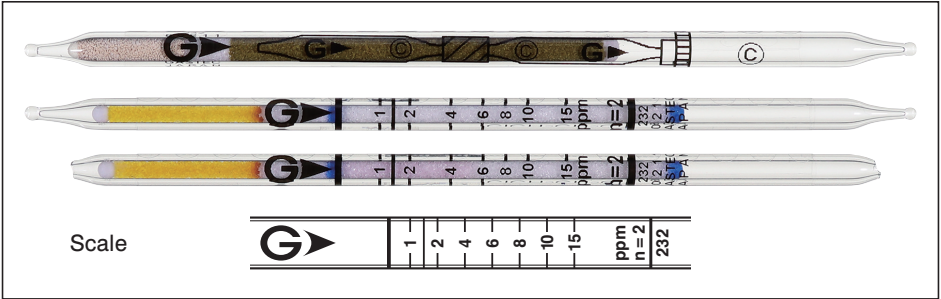


# 1,2-Dichloroethane $\text{ClCH}_2\text{CH}_2\text{Cl}$ No.232

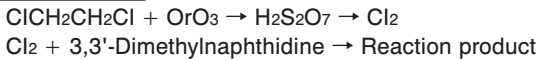


**Performance** When used, these tubes are to be connected. See page 2-3.

Measuring range	1 to 15 ppm	15 to 39 ppm
Number of pump strokes	2 (200 mL)	1 (100 mL)
Correction factor	1	2.6
Sampling time	4 min	2 min

Detecting limit : 0.25 ppm (2 pump strokes)  
 Colour change : White → Pale purple  
 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 4 ppm), 10 % (for 4 to 15 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
Carbon dioxide		No	No
Chlorine	$\geq 0.5$ ppm	+	Pale purple ( $\geq 0.15$ ppm)
Chloropicrin	$\geq 0.3$ ppm	+	Pale purple ( $\geq 2$ ppm)
Chloroform	$\geq 2$ ppm	+	Pale purple ( $\geq 2$ ppm)
Carbon tetrachloride	$\geq 5$ ppm	+	Pale purple ( $\geq 15$ ppm)
1,2-Dichloroethylene	$\geq 1$ ppm	+	Pale purple ( $\geq 0.3$ ppm)
Methyl bromide	$\geq 0.1$ ppm	+	Pale purple ( $\geq 0.1$ ppm)

## Calibration gas generation

Diffusion tube method