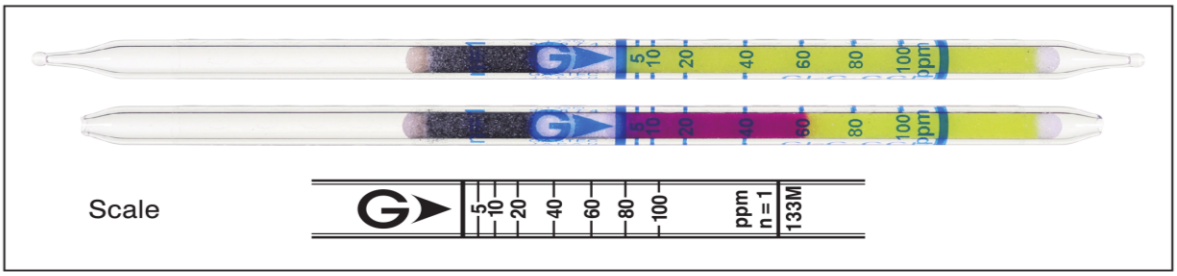
wiserise marine

Tetrachloroethylene Cl2C:CCl2

Part No.: 133M

Tetrachloroethylene $Cl_2C:CCl_2$ No.133M



Performance

Measuring range	2 to 5 ppm	5 to 100 ppm	100 to 220 ppm
Number of pump strokes	2 (200 mL)	1 (100 mL)	1/2 (50 mL)
Correction factor	0.4	1	2.2
Sampling time	1.5 min	45 sec	30 sec

Detecting limit : 0.4 ppm (2 pump strokes)
Colour change : Yellow → Reddish 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 : 10 %(for 5 to 20 ppm), 5 %(for 20 to 100 ppm)
Tube quantity and number of tests per box : 10 tubes for 10 tests
Shelf life : 30 months (in the refrigerator)

Reaction principle

$Cl_2C:CCl_2 + PbO_2 + H_2SO_4 \rightarrow HCl$
$HCl + Base \rightarrow Chloride$

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Bromine, Chlorine		+	Reddish purple
Hydrogen chloride		+	
Unsaturated halogenated hydrocarbons		+	
Aromatic hydrocarbons	≧ 100 ppm	−	No
Acetone	≦ 200 ppm	No	
Nitric oxide		No	
Nitrogen dioxide		No	

Calibration gas generation

Diffusion tube method

Special note

This detector tube can also be used with the Gastec Water Pollutant Analysis Systems to measure tetrachloroethylene in the water. With these systems, samples are collected by using a syringe.

Web: www.wiserisemarine.com | Email: sales@wiserisemarine.com