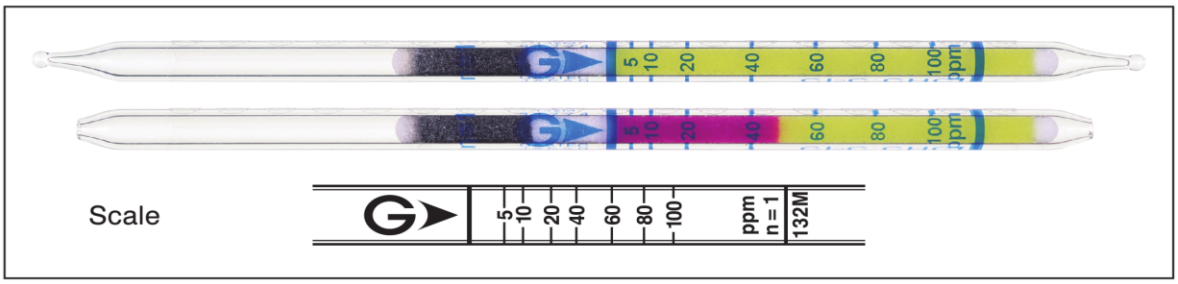
wiserise marine

# Trichloroethylene Cl2C:CHCl

## Part No.: 132M

# Trichloroethylene $Cl_2C:CHCl$ No.132M




## Performance

| | | | |
|---|---|---|---|
| Measuring range | 2 to 5 ppm | 5 to 100 ppm | 100 to 270 ppm |
| Number of pump strokes | 2 (200 mL) | 1 (100 mL) | 1/2 (50 mL) |
| Correction factor | 0.4 | 1 | 2.7 |
| Sampling time | 2 min | 1 min | 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

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

## Possible coexisting substances and their interferences

| Substance | Concentration | Interference | Changes colour by itself to |
|---|---|---|---|
| Bromine, Chlorine | | + | Reddish purple |
| Hydrogen chlorine | | + | |
| Unsaturated halogenated hydrocarbons | | + | |
| Acetone | ≦ 200 ppm | No | No |
| Aromatic hydrocarbons | ≧ 100 ppm | − | |
| 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 trichloroethylene in the water. With these systems, samples are collected by using a syringe.



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