

# Vinyl Chloride 0.5/b

Catalog No 8101721

**Standard Measuring Range:** 5 to 30 ppm / 0.5 to 5 ppm  
**Number of Strokes (n):** 1 / 5  
**Time for Measurement:** about 30 seconds / about 3 minutes  
**Standard Deviation:** ± 15 to 20%  
**Color Change:** white to violet

## Ambient Operation Conditions

**Temperature:** 10 to 30°C  
**Absolute Humidity:** maximum 20 mg H<sub>2</sub>O/L

## Reaction Principle

- a)  $\text{CH}_2=\text{CHCl} + \text{Cr}^{\text{VI}} \longrightarrow \text{Cl}_2$   
b)  $\text{Cl}_2 + \text{dimethyl naphthidine} \longrightarrow \text{violet reaction product}$

## Cross Sensitivity

Many organic compounds with C=C double bonds are indicated but with different sensitivities. It is impossible to differentiate between them.

It is impossible to measure vinyl chloride in the presence of dialkyl sulfide.



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