



SI-189-2001

Standard Measuring Range : 5 to 30 ppm / 0.5 to 5 ppm
Number of Strokes (n) : 1 / 5
Time for Measurement : app. 30 s / app. 3 min
Standard Deviation : ± 15 to 20 %
Colour Change : white \rightarrow violet

Ambient Operating Conditions

Temperature : 10 to 30 °C
Absolute Humidity : max. 20 mg H₂O / L

Reaction Principle

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

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 sulphide.