

Methylene Chloride 100/a

Order No.
67 24601



Standard Measuring Range : 100 to 2,000 ppm
Number of Strokes (n) : 10
Time for Measurement : app. 3 min
Standard Deviation : ± 10 to 15 %
Colour Change : white \rightarrow brown green

Ambient Operating Conditions

Temperature : 10 to 30 °C
Absolute Humidity : 3 to 15 mg H₂O / L

Reaction Principle

- $\text{CH}_2\text{Cl}_2 + \text{Cr}^{\text{VI}} \rightarrow$ gaseous cleavage product
- gaseous cleavage product + $\text{I}_2\text{O}_5 \rightarrow \text{I}_2$

Cross Sensitivity

Other halogenated hydrocarbons are indicated but with different sensitivities.

Carbon monoxide and petroleum hydrocarbons are indicated. It is impossible to measure methylene chloride in the presence of carbon monoxide and petroleum hydrocarbons.

Extension of the measuring range

Using 20 strokes divide the reading by 2, the range of measurement is 50 to 1,000 ppm methylene chloride.

SI-7/6-2001