

Perchloroethylene 2/a

Catalog No 8101501

Standard Measuring Range: 20 to 300 ppm / 2 to 40 ppm
Number of Strokes (n): 1 to 5
Time for Measurement: about 30 seconds / about 3 minutes
Standard Deviation ± 15 to 20%
Color Change: slightly greenish to grey blue

Ambient Operation Conditions

Temperature: 15 to 30°C
Absolute Humidity: <25 mg H₂O/L

Reaction Principle

- a) $\text{CCl}_2=\text{CCl}_2 + \text{MnO}_4^- \longrightarrow \text{Cl}_2$
b) $\text{Cl}_2 + \text{Diphenylbenzidine} \longrightarrow \text{grey blue reaction product}$

Cross Sensitivity

Halogenated hydrocarbons and free halogens are indicated.

Petroleum vapors reduce the perchloroethylene indication if they exceed the following concentrations:

50 ppm at n=5
500 ppm at n=1



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