

Order No.

81 01501

Perchloroethylene 2/a

Standard Measuring Range : 20 to 300 ppm / 2 to 40 ppm
Number of Strokes (n) : 1 / 5
Time for Measurement : app. 30 s / app. 3 min
Standard Deviation : ± 15 to 20 %
Colour Change : slightly greenish \rightarrow grey blue

Ambient Operating Conditions

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

Reaction Principle

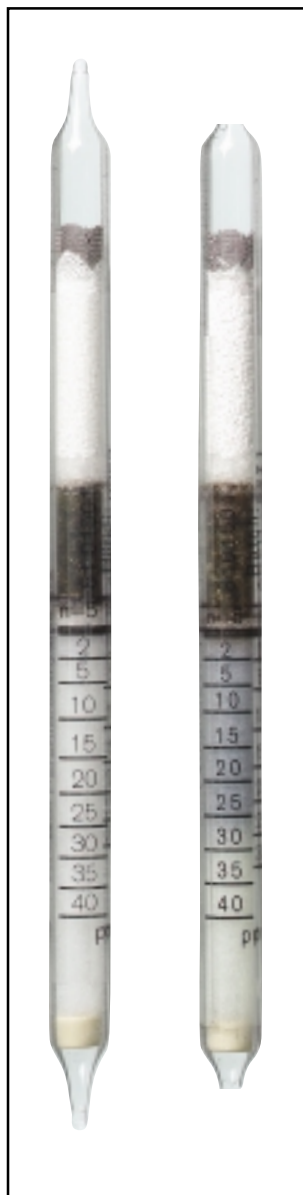
- a) $\text{CCl}_2=\text{CCl}_2 + \text{MnO}_4^- \rightarrow \text{Cl}_2$
 b) $\text{Cl}_2 + \text{Diphenylbenzidine} \rightarrow \text{grey blue reaction product}$

Cross Sensitivity

Halogenated hydrocarbons and free halogens are indicated.

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

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



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