Perchloroethylene 2/a

Order No. 81 01 501

Application Range

Standard Measuring Range: 20 to 300 ppm / 2 to 40 ppm

Number of Strokes n: 1 / 5

Time for Measurement: approx. 30 s / approx. 3 min

Standard Deviation: ± 15 to 20 %

Color Change: yellow → grey blue

Ambient Operating Conditions

Temperature: 15 to 30 °C

Absolute Humidity: $< 25 \text{ mg H}_2\text{O} / \text{L}$

Reaction Principle

a) CCl₂=CCl₂ + MnO₄- → Cl₂

b) Cl₂ + diphenylbenzidine → grey blue reaction product

At higher concentrations there may be created a reddish area at the beginning of the indicating layer.

Cross Sensitivity

Other chlorinated hydrocarbons, free halogens and hydrogen halides are also indicated. Petroleum hydrocarbon vapors result in a shortened reading once they exceed the following concentrations: 50 ppm with 5 strokes or 500 ppm with 1 stroke.



