

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 mg H ₂ O / L

Reaction Principle

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

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.



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Northside Sales, Co.

Safety & Industrial Products

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