

Perchloroethylene 0.1/a

Order No. 81 01 551

Application Range

| | | |
|---------------------------|-------------------|-----------------|
| Standard Measuring Range: | 0.5 to 4 ppm | / 0.1 to 1 ppm |
| Number of Strokes n: | 3 | / 9 |
| Time for Measurement: | approx. 3 min | / approx. 9 min |
| Standard Deviation: | ± 15 to 20 % | |
| Color Change: | light grey → blue | |

Ambient Operating Conditions

| | |
|--------------------|---------------------------------|
| Temperature: | 15 to 30 °C |
| Absolute Humidity: | max. 30 mg H ₂ O / L |

Reaction Principle

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

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: 40 ppm with 9 strokes or 160 ppm with 3 strokes.



Northside Sales, Co.

Safety & Industrial Products

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