

Perchloroethylene 0.1/a

Order No.

81 01551



Standard Measuring Range : 0.5 to 4 ppm / 0.1 to 1 ppm
Number of Strokes (n) : 3 / 9
Time for Measurement : app. 3 min / app. 9 min
Standard Deviation : ± 20 to 25 %
Colour Change : light grey \rightarrow blue

Ambient Operating Conditions

Temperature : 15 to 30 °C
Absolute Humidity : max. 30 mg H₂O / L

Reaction Principle

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

Cross Sensitivity

Halogenated hydrocarbons and free halogens are indicated.

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

- 40 ppm at n=9
160 ppm at n=3

ST-189-2001