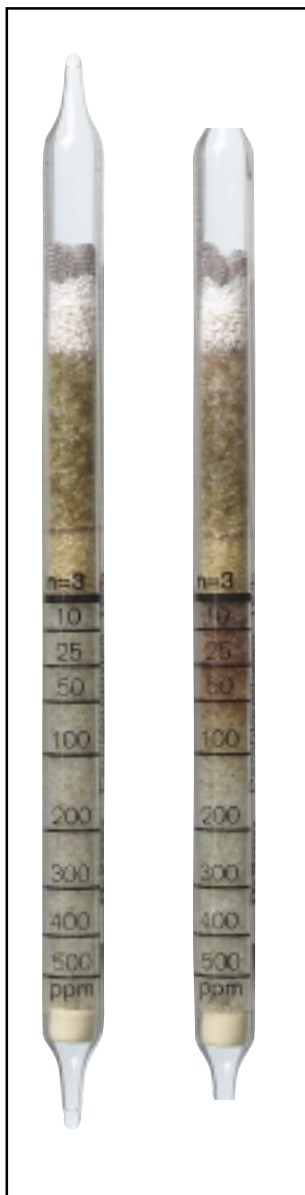


# Perchloroethylene 10/b

Order No.  
CH 30701



**Standard Measuring Range** : 10 to 500 ppm  
**Number of Strokes (n)** : 3  
**Time for Measurement** : app. 40 s  
**Standard Deviation** :  $\pm 15$  to 20 %  
**Colour Change** : grey  $\rightarrow$  orange

## Ambient Operating Conditions

**Temperature** : 15 to 40 °C  
**Absolute Humidity** : 5 to 12 mg H<sub>2</sub>O / L

## Reaction Principle

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

## Cross Sensitivity

Halogenated hydrocarbons and free halogens are indicated.

Petroleum vapours reduce the perchloroethylene indication.

SI-98-2001