Perchloroethylene 0.1/a

Order No. 81 01 551

Application Range

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Standard	Measuring Range:	0.5 to 4 ppm	/ 0.1 to 1 ppm
Number o	of Strokes n:	3	/ 9
Time for I	Measurement:	approx. 3 min	/ approx. 9 mir
Standard	Deviation:	± 15 to 20 %	
Color Cha	ange:	light grey → blue	
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Ambient Operating Conditions

Temperature:	15 to 30 ℃
Absolute Humidity:	max. 30 mg $\rm H_2O$ / $\rm L$

Reaction Principle

- a) $CCl_2 = CCl_2 + MnO_4 \rightarrow Cl_2$
- b) Cl₂ + diphenylbenzidine → 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.



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