

Trichloroethane 50/d

Catalog No CH21101

Standard Measuring Range: 50 to 600 ppm
Number of Strokes (n): 2 + 3 desorption strokes in clean air
Time for Measurement: about 2 minutes
Standard Deviation: ± 10 to 15%
Color Change: grey to brown red

Ambient Operation Conditions

Temperature: 15 to 40°C
Absolute Humidity: 5 to 15 mg H₂O/L

Reaction Principle

- a) 1,1,1-Trichloroethane + $\text{IO}_3^-/\text{H}_2\text{S}_2\text{O}_7 \longrightarrow \text{Cl}_2$
b) Cl_2 + o-Tolidine \longrightarrow brown red reaction product

Cross Sensitivity

Other chlorinated hydrocarbons are indicated, but with different sensitivities.

In the presence of aromatic hydrocarbons the indication is too low (e.g. 200 ppm 1,1,1-trichloroethane + 200 ppm toluene gives an indication of 50 ppm).



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