

# Trichloroethane 50/d

Order No. CH 21 101

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## Application Range

Standard Measuring Range:	50 to 600 ppm
Number of Strokes n:	2 + 3 desorption strokes in clean air
Time for Measurement:	approx. 1.5 min
Standard Deviation:	± 10 to 15 %
Color Change:	grey → brown red

## Ambient Operating Conditions

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

## Reaction Principle

- 1,1,1-trichloroethane + IO<sub>3</sub><sup>-</sup>/H<sub>2</sub>S<sub>2</sub>O<sub>7</sub> → Cl<sub>2</sub>
- Cl<sub>2</sub> + o-tolidine → 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 and 200 ppm toluene, the reading amounts to 1/4 only, i.e. 50 ppm).



*Northside Sales, Co.*

Safety & Industrial Products

800-467-9005



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