Trichloroethylene 2/a

Order No. 67 28 541

Application Range

Standard Measuring Range:	20 to 250 ppm/ 2 to 50 ppm
Number of Strokes n:	3 / 5
Time for Measurement:	approx. 1.5 min / 2.5 min
Standard Deviation:	± 10 to 15 %
Color Change:	pale grey → orange

Ambient Operating Conditions

Temperature:	10 to 40 °C
Absolute Humidity:	5 to 15 mg H_2O / L

Reaction Principle

a) Trichloroethylene + Cr^{VI} → Cl_2

b) Cl_2 + o-tolidine → orange reaction product

Cross Sensitivity

Other chlorinated hydrocarbons are indicated, but with different sensitivities.

Free halogens and hydrogen halides in the TLV range are also indicated. It is impossible to measure trichloroethylene in the presence of these substances. Petroleum hydrocarbons cause low readings.

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