

# Trichloroethylene 2/a

Catalog No 6728541

**Standard Measuring Range:** 20 to 250 ppm / 2 to 50 ppm  
**Number of Strokes (n):** 3 / 5  
**Time for Measurement:** about 1.5 minutes / 2.5 minutes  
**Standard Deviation:** ± 10 to 15%  
**Color Change:** pale grey to orange

## Ambient Operation Conditions

**Temperature:** 10 to 40°C  
**Absolute Humidity:** 5 to 15 mg H<sub>2</sub>O/L

## Reaction Principle

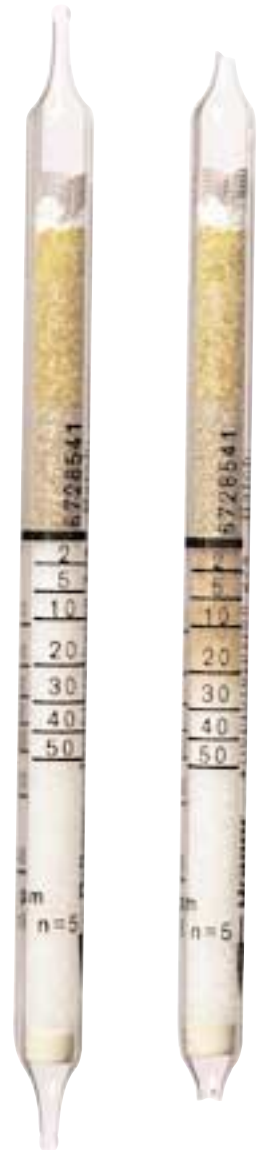
- a) Trichloroethylene + Cr<sup>VI</sup> → Cl<sub>2</sub>  
b) Cl<sub>2</sub> + o-Tolidine → orange reaction product

## 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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