



ST-184-2001

Standard Measuring Range : 50 to 500 ppm
Number of Strokes (n) : 5
Time for Measurement : app. 1.5 min
Standard Deviation : ± 10 to 15 %
Colour Change : pale grey \rightarrow orange

Ambient Operating Conditions

Temperature : 0 to 40 °C
Absolute Humidity : 5 to 12 mg H₂O / L

Reaction Principle

- a) Trichloroethylene + Cr^{VI} \rightarrow Cl₂
b) Cl₂ + o-Tolidine \rightarrow 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.