

# Carbon Tetrachloride 1/a

Order No.

81 01021



ST-197-2001

**Standard Measuring Range** : 1 to 15 ppm  
**Number of Strokes (n)** : 5  
**Time for Measurement** : max. 6 min  
**Standard Deviation** :  $\pm 15$  to 20 %  
**Colour Change** : white  $\rightarrow$  yellow

## Ambient Operating Conditions

**Temperature** : 15 to 30 °C  
**Absolute Humidity** : 3 to 15 mg H<sub>2</sub>O / L

## Reaction Principle

- a)  $\text{CCl}_4 + \text{H}_2\text{S}_2\text{O}_7 \rightarrow \text{COCl}_2$   
b)  $\text{COCl}_2 + \text{Aromatic nitrogen compounds} \rightarrow$   
yellow reaction product

## Cross Sensitivity

Chloropicrin and phosgene are indicated with the same sensitivity. It is impossible to measure carbon tetrachloride in the presence of chloropicrin and phosgene.

No interference by:  
1 ppm chlorine  
5 ppm hydrochloric acid  
20 ppm methyl bromide  
1,000 ppm acetone