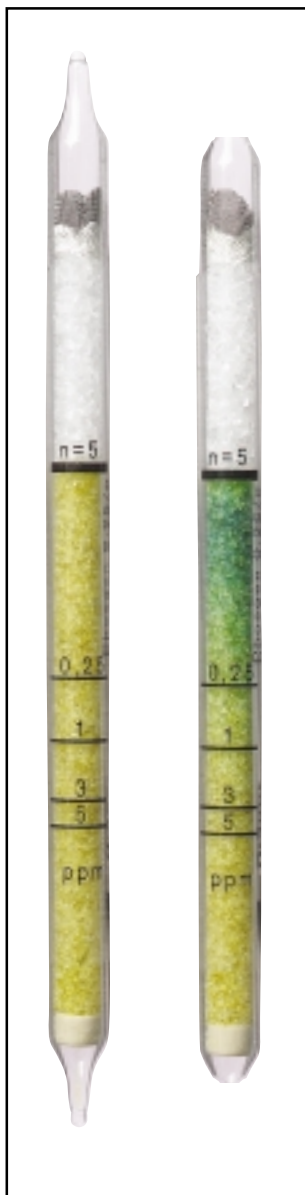


# Phosgene 0.25/c

Order No.

CH 28301



**Standard Measuring Range** : 0.25 to 5 ppm  
**Number of Strokes (n)** : 5  
**Time for Measurement** : app. 1 min  
**Standard Deviation** :  $\pm 15$  to 20 %  
**Colour Change** : yellow  $\rightarrow$  blue green

## Ambient Operating Conditions

**Temperature** : 5 to 35 °C  
**Absolute Humidity** : 3 to 15 mg H<sub>2</sub>O / L

## Reaction Principle

$\text{COCl}_2 + \text{Ethylaniline} +$   
 $\text{Dimethylaminobenzaldehyde} \rightarrow \text{blue green}$   
reaction product

## Cross Sensitivity

No interference by up to 100 ppm hydrochloric acid.

Carbonyl bromide and acetyl chloride are indicated, but with different sensitivities. It is impossible to measure phosgene in the presence of carbonyl bromide or acetyl chloride.

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