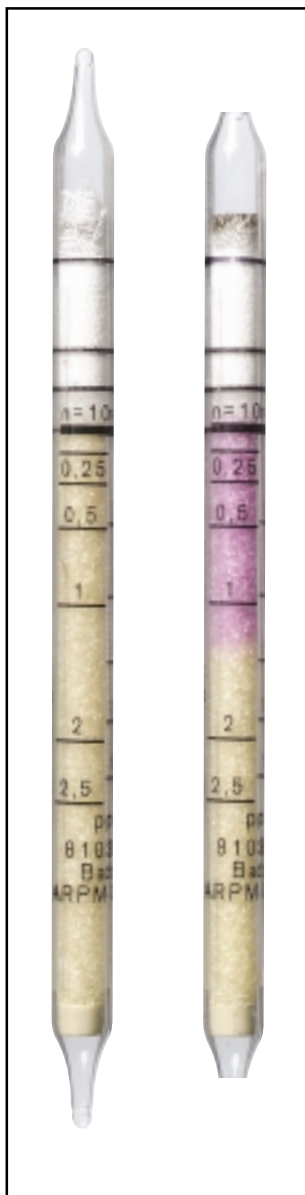


# Mercaptan 0.1/a

**Order No.**

**81 03281**



**Standard Measuring Range** : 0.1 to 2.5 ppm / 3 to 15 ppm  
**Number of Strokes (n)** : 10 / 2  
**Time for Measurement** : app. 3 min / app. 40 s  
**Standard Deviation** :  $\pm 10$  to 15 %  
**Colour Change** : yellow  $\rightarrow$  red

## Ambient Operating Conditions

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

## Reaction Principle

$2 \text{R-SH} + \text{Hg Cl}_2 \rightarrow \text{Hg}(\text{CH}_3\text{S})_2 + 2 \text{HCl}$   
 HCl + pH-indicator  $\rightarrow$  redish reaction product

## Cross Sensitivity

Propylmercaptan and tert.-butyl-mercaptan are indicated but with different sensitivities.

4 ppm ethylene, 30 ppm CO, 10 ppm tetrahydrothiophene do not affect the indication. and 200 ppm hydrogen sulphide do not affect the indication.

Hydrogen sulphide changes the pre-layer to black.

ST-180-2001