

# Mercaptan 0.1/a

Order No. 81 03 281

H

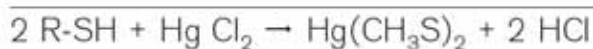
## Application Range

|                           |                |                |
|---------------------------|----------------|----------------|
| Standard Measuring Range: | 0.1 to 2.5 ppm | / 3 to 15 ppm  |
| Number of Strokes n:      | 10             | / 2            |
| Time for Measurement:     | approx. 3 min  | / approx. 40 s |
| Standard Deviation:       | ± 10 to 15 %   |                |
| Color Change:             | yellow → pink  |                |

## Ambient Operating Conditions

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

## Reaction Principle



HCl + pH-indicator → reddish reaction product

## Cross Sensitivity

Propyl mercaptan and n-butyl-mercaptan are indicated, but with different sensitivities. 4 ppm ethylene, 30 ppm CO, 10 ppm tetrahydrothiophene and 100 ppm hydrogen sulfide do not affect the indication. Hydrogen sulfide changes the pre-layer to black.

