Н

Hydrogen Peroxide 0.1/a

Order No. 81 01 041

Application Range

| Standard Measuring Range: | 0 to 3 ppm | / 1 ppm |
|---------------------------|---------------|----------------|
| Number of Strokes n: | 20 | / 2 |
| Time for Measurement: | apporx. 3 min | / approx. 18 s |
| Standard Deviation: | ± 10 to 15 % | |
| Color Change: | white → brown | |

Ambient Operating Conditions

| Temperature: | 10 to 25 °C |
|--------------------|---------------------------------|
| Absolute Humidity: | 3 to 10 mg $\rm H_2O$ / $\rm L$ |

Reaction Principle

$$2 \text{ H}_2\text{O}_2 + 2 \text{ KI} \rightarrow \text{I}_2 + 2 \text{ H}_2\text{O} + \text{O}_2$$

Cross Sensitivity

It is impossible to measure hydrogen peroxide in the presence of chlorine or nitrogen dioxide. Only hydrogen peroxide vapor is indicated, not the aerosols.



