

# Formaldehyde 2/a

Order No. 81 01 751

## Application Range

Standard Measuring Range:	2 to 40 ppm
Number of Strokes n:	5
Time for Measurement:	approx. 30 s
Standard Deviation:	± 20 to 30 %
Color Change:	white → pink

## Ambient Operating Conditions

Temperature:	0 to 40 °C
Absolute Humidity:	3 to 15 mg H <sub>2</sub> O / L

## Reaction Principle

$\text{HCHO} + \text{C}_6\text{H}_4(\text{CH}_3)_2 + \text{H}_2\text{SO}_4 \rightarrow \text{quinoid reaction products}$

## Cross Sensitivity

Styrene, vinyl acetate, acetaldehyde, acrolein, diesel fuel and furfuryl alcohol are indicated with a yellowish brown discoloration. 500 ppm Octane, 5 ppm nitric oxide and 5 ppm nitrogen dioxide have no effect.

## Additional Information

The reagent ampoule must be broken before carrying out the measurement.

