

Order No.

81 01751

## Formaldehyde 2/a

**Standard Measuring Range** : 2 to 40 ppm.  
**Number of Strokes (n)** : 5  
**Time for Measurement** : app. 30 s  
**Standard Deviation** :  $\pm 20$  to 30 %  
**Colour Change** : white  $\rightarrow$  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.

