

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 : ± 20 to 30 %
Colour Change : white \rightarrow pink

Ambient Operating Conditions

Temperature : 0 to 40 °C
Absolute Humidity : 3 to 15 mg H₂O / L

Reaction Principle

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



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