

Formaldehyde 0.2/a

Catalog No 6733081

Standard Measuring Range: 0.5 to 5 ppm / 0.2 to 2.5 ppm
Number of Strokes (n): 10
Time for Measurement: about 1.5 minutes / about 3 minutes
Standard Deviation: ± 20 to 30%
Color Change: white to pink

Ambient Operation Conditions

Temperature: 10 to 40°C
Absolute Humidity: < 3 to 15 mg H₂O/L

Reaction Principle

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

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.

Extension of the Measuring Range

The measuring range can be extended in conjunction with the activation tube (P/N 8101141). The following information applies to the n=20 stroke scale:

<u>Pump Strokes</u>	<u>Scale divided by</u>	<u>Range</u>
40	2	0.1 to 1.25 ppm
80	4	0.05 to 0.63 ppm
100	5	0.04 to 0.5 ppm



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