Benzene 15/a

Order No. 81 01 741



Application Range

Standard Measuring Range: 15 to 420 ppm

Number of Strokes n: 20 to 2

Time for Measurement: max. 4 min

Standard Deviation: ± 30 %

Color Change: white → red brown

Ambient Operating Conditions

Temperature: 0 to 30 °C

Absolute Humidity: max. 30 mg H₂O / L

Reaction Principle

a) 2 C₆H₆ + HCHO → C₆H₅-CH₂-C₆H₅ + H₂O

b) C_6H_5 - CH_2 - C_6H_5 + H_2SO_4 \rightarrow p-quinoid compound

Cross Sensitivity

Other aromatics (toluene, xylene) are retained in the pre-layer causing a reddish brown discoloration. If the toluene or xylene concentrations are too high the entire pre-layer up to the indicating layer is discolored making a benzene measurement impossible. Petroleum hydrocarbons, alcohols and esters do not affect the indication.



