

Toluene 100/a-D

Order No. 81 01 421

Application Range

Standard Range	Measurement Time
100 to 3,000 ppm	1 h
50 to 1,500 ppm	2 h
25 to 750 ppm	4 h
13 to 380 ppm	8 h

Standard Deviation ± 20 to 25 %

Color Change yellow → brown

Ambient Operating Conditions

Temperature: 10 to 40 °C

Absolute Humidity 1 to 15 mg H₂O / L

Reaction Principle

 $C_6H_5CH_3 + Ce(SO_4)_2 \rightarrow$ brown reaction product

Cross Sensitivity

Other aromatic hydrocarbons are also indicated, but with different sensitivities.

During a 6-hour measurement, 100 ppm ethyl benzene produces a diffuse indication up to 600 ppm x h.

During a 6-hour measurement, 100 ppm xylene produces an indication up to 300 ppm x h.

Benzene in the TLV range does not interfere.

Aliphatic hydrocarbons are not indicated.

