

Phenol 1/b

Order No. 81 01 641

P

Application Range

Standard Measuring Range:	1 to 20 ppm
Number of Strokes n:	20
Time for Measurement:	approx. 5 min
Standard Deviation:	± 10 to 15 %
Color Change:	yellow → brown grey

Ambient Operating Conditions

Temperature:	10 to 30 °C
Absolute Humidity:	1 to 18 mg H ₂ O / L

Reaction Principle

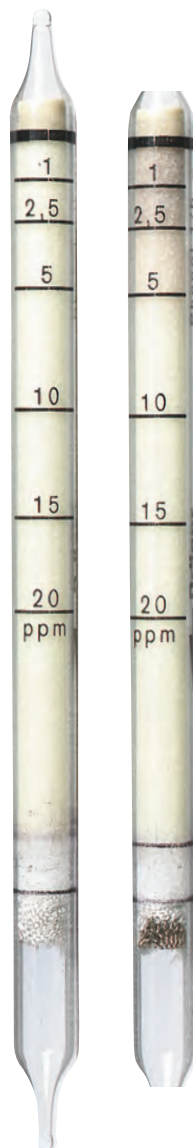
$C_6H_5OH + Ce(SO_4)_2 + H_2SO_4 \rightarrow$ brown grey reaction product

Cross Sensitivity

Cresols are also indicated, but with different sensitivities. To determine m-cresol multiply the indication by 0.8. Benzene, toluene and other aromatics without the heteroatoms are not indicated. Aliphatic hydrocarbons and alcohols are not indicated.

Additional Information

At a temperature of 0 °C the resulting indication must be multiplied by 1.3, at a temperature of 40 °C it must be multiplied by 0.8.



St-95/2001