

Order No.  
81 01641

## Phenol 1/b

**Standard Measuring Range** : 1 to 20 ppm  
**Number of Strokes (n)** : 20  
**Time for Measurement** : app. 5 min  
**Standard Deviation** :  $\pm 10$  to 15 %  
**Colour Change** : yellow  $\rightarrow$  brown grey

### Ambient Operating Conditions

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

### Reaction Principle

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

### Cross Sensitivity

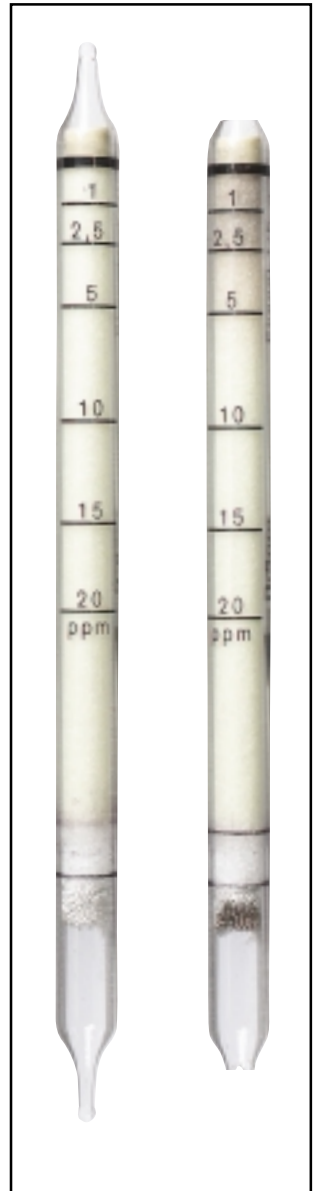
Cresols are also indicated, but with different sensitivities. To determine m-cresol multiply the indication by 0.8.

Benzene, toluene and other aromatics without the hydroxyl group 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.



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