

# Phenol 1/b

Catalog No 8101641

**Standard Measuring Range:** 1 to 20 ppm  
**Number of Strokes (n):** 20  
**Time for Measurement:** about 5 minutes  
**Standard Deviation:** ± 10 to 15%  
**Color Change:** yellow to brown grey

## Ambient Operation Conditions

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

## Reaction Principle

$C_6H_5OH + Ce(SO_4)_2 + H_2SO_4 \longrightarrow$  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.



# Dräger

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