

n-butanol 10/a

Order no. 8103861

N

General data

Measuring range:	10 to 250 ppm / 250 to 2000 ppm
Number of strokes n:	10 / 2
Measuring time:	approx. 6 min / approx. 1 min
Standard deviation:	± 10 – 25 %
Color change:	yellow → mint green

Permissible ambient conditions

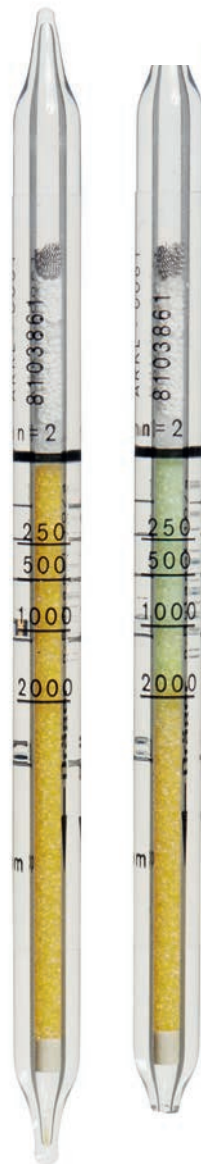
Temperature:	15 to 30 °C
Humidity:	3 – 15 mg H ₂ O/L

Reaction principle

n-butanol + organometallic compounds → green
reaction product

Cross-sensitivity

The differentiation of other alcohols is not possible. 2-butanol is indicated with the same sensitivity. When measuring i-butanol with n=2/10 strokes, the indicated concentration must be multiplied by a factor of 0.4. When measuring tert-butanol with n=2/10 strokes, the indicated concentration must be multiplied by a factor of 3.0. Methanol is indicated with 2 (n=10) to 3 times (n=2), ethanol and iso-propanol with 1 (n=10) to 2 times (n=2) the sensitivity. Higher-molecular alcohols are indicated with rapidly decreasing sensitivity. Ethers are indicated with different sensitivities. < 25 ppm formaldehyde, < 50 ppm acetaldehyde, and < 50 ppm toluene are not indicated. Aliphatic gasoline hydrocarbons, ketones, esters, halogenated hydrocarbons, and benzene are not indicated.



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