

Alcohol 10/a

Order no. 3740290

A

General data

Measuring range:	500 - 5000 ppm / 10 - 500 ppm
	Methanol, ethanol, iso-propanol, and n-butanol
Number of strokes n:	2 / 5
Measuring time:	3 min / 7.5 min
Standard deviation:	± 10 - 25 %
Color change:	yellow → mint green

Permissible ambient conditions

Temperature:	0 - 40 °C
Temperature correction:	15 - 25 °C → none
	<15 °C → +10 % of the measured value per °C
	>25 °C → -4.5 % of the measured value per °C
Humidity:	1 - 20 mg/L

Reaction principle

Alcohol + organometallic compounds → green reaction product

Cross-sensitivity

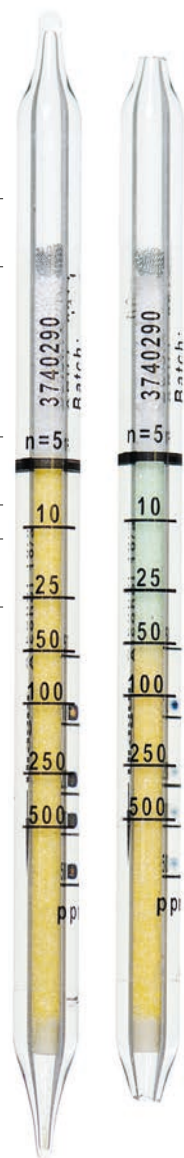
Methanol, ethanol, iso-propanol, and n-butanol are indicated with the same sensitivity.

n-propanol, 2-butanol, i-butanol, and tert-butanol are indicated with half sensitivity (indication × 2 = measured value).

The following substances are not indicated in the given concentration range:

- ≤ 2000 ppm acetone
- ≤ 10 ppm formaldehyde
- ≤ 50 ppm acetaldehyde
- ≤ 1000 ppm ethyl acetate
- ≤ 50 ppm diethyl ether
- ≤ 100 ppm dimethyl ether
- ≤ 1000 ppm n-hexane
- ≤ 100 ppm benzene
- ≤ 100 ppm toluene
- ≤ 10 ppm xylene
- ≤ 10 Vol% methyl bromide

Dichloromethane and chloromethane are not indicated.



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