

# Hydrocarbons 0.1%/c

Order No. 81 03 571

H

## Application Range

Standard Measuring Range:	0.1 to 1.3 Vol.-% Propane
	0.1 to 1.3 Vol.-% Butane
	0.1 to 1.3 Vol.-% (mix 1:1)
Number of Strokes n:	1
Time for Measurement:	approx. 2 min
Standard Deviation:	± 15 %
Color Change:	orange → brown green

## Ambient Operating Conditions

Temperature:	0 to 40 °C
Absolute Humidity:	1 to 40 H <sub>2</sub> O / L

## Reaction Principle

$C_3H_8 / C_4H_{10} + Cr^{6+} \rightarrow Cr^{3+} + \text{div. oxidation products}$

## Cross Sensitivity

The information regarding cross sensitivity only applies for measurements with a maximum of 1 stroke. Hydrocarbons, hydrocarbons with olefin double bonds are indicated with different discoloration and sensitivity. No influence on the display of 0.1 Vol.-% propane/butane at:

- < 99.9 Vol.-% methane
- < 5 Vol.-% ethane
- < 1 Vol.-% carbon monoxide
- < 500 ppm acetylene, ethylene

## Additional Information

A maximum of 15 strokes within 1 hour can be performed for leakage measurements (qualitative measurements).

