

# Butadiene 1 - 25 ppm

Order Code  
64 06 460

**Measuring Range** : 1 to 25 ppm (20 °C, 50 % r.h.)  
**Measuring Time** : approx. 90 s at 25 ppm  
approx. 250 s at 5 ppm  
approx. 550 s at 1 ppm  
approx. 250 s at 0 ppm

## Ambient Operating Conditions

**Temperature** : 0 ... 40 °C  
**Correction of Temperature** : 0 to 19 °C → + 3 % / °C  
21 to 40 °C → - 2.4 % / °C  
% of measured value over the measurement range.

**Humidity** : 5 to 30 mg/L (corresp. 2 to 60 % r.h. at 40 °C)  
**Correction of Humidity** : 5 mg/L to 9 mg/L: - 5 % / mg/L  
11 mg/L to 30 mg/L: + 5 % / mg/L  
% of measured value over the measurement range.

**Air Pressure** : 700 to 1100 hPa  
**Correction of Air Pressure Accuracy** : not necessary  
± 10 % of the measured value over the measurement range  
e.g.  
± 0.1 ppm at 1 ppm  
± 2.5 ppm at 25 ppm

**Reproducibility** : ± 10 % (Standard Deviation)

## Cross Sensitivity

In addition to 1,3-butadiene, other olefines are also indicated:

Substance	Display of Analyzer indicates
20 ppm styrene	approx. 6 ppm
5 ppm 1-butene	approx. 1 ppm
5 ppm chloroprene	approx. 10 ppm
5 ppm propene	approx. 2 ppm

## Measurement with Remote System

Please observe the Instructions for Use of the Remote System.

## Flushing Time

For a measurement of 5 ppm 1,3-butadiene in laboratory conditions, a flushing time of 2 minutes was determined.