

1,3-Butadiene 0.5 – 25 ppm

Order no. 8610300

Measuring range:	0.5 to 25 ppm
Typical measuring time:	10 to 280 s
Accuracy:	± 15 % (under calibration conditions)
Permissible ambient conditions	
Temperature:	0 to 40 °C
Temperature correction:	< 20 °C → 1 % of the measured value per °C > 20 °C → -1 % of the measured value per °C
Humidity:	5 to 30 mg/L
Humidity correction:	< 10 °C → 8 % of the measured value per mg/L > 10 °C → -1 % of the measured value per mg/L

Cross-sensitivities

The detection of 2 ppm 1,3-butadiene is not affected by:

- 100 ppm benzene
- 50 ppm toluene
- 50 ppm n-hexane
- 25 ppm white spirit
- 5 ppm hydrogen sulfide

Hose and probe measurements

The following purging time recommendations for remote measurements have been determined with a brand-new, dry, and clean hose and probes.

Hose / probe	Length in m	Purging time in min
FKM hose	5 – 20	3
FKM hose	45	5
PTFE-lined PVC hose	3 – 15	3
Bar probe 90 (8316532)		1
Telescopic probe ES 150 (8316533)		1
Probe set GP600 (8328667)		3