

Formaldehyde 5 – 150 ppb

Order no. 8610540

Measuring range:	5 to 150 ppb
Typical measuring time:	approx. 360 s to 960 s
Accuracy:	± 25 % (under calibration conditions)
Permissible ambient conditions	
Temperature:	15 to 35 °C
Temperature correction:	none
Humidity:	4 to 18 mg/L
Humidity correction:	< 8 mg/L → +40 % of the measured value per mg/L 8 to 12 mg/L → none > 12 mg/L → -10 % of the measured value per mg/L

Cross-sensitivities

The detection of 75 ppb formaldehyde is not affected by:

- 0.5 ppm acrolein
- 10 ppm vinyl acetate
- 100 ppm styrene
- 100 ppm acetaldehyde
- 5 ppm propanol
- 1 ppm butanal

A formaldehyde measurement is not possible in the presence of SO₂.

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	3
PTFE-lined PVC hose	15	10
Bar probe 90 (8316532)		1
Telescopic probe ES 150 (8316533)		2
Probe set GP600 (8328667)		3