

Mercaptan 50 – 6000 ppb

Order no. 8610360

Measuring range:	50 to 6000 ppb
Typical measuring time:	15 to 360 s
Accuracy:	± 25 % (under calibration conditions)
Permissible ambient conditions	
Temperature:	10 to 40 °C
Temperature correction:	none
Humidity:	1 to 40 mg/L
Humidity correction:	none

Cross-sensitivities

The detection of 500 ppb mercaptan is not affected by

0.5	ppm hydrogen sulfide
15	ppm carbon monoxide
0.5	ppm ethyl mercaptan
0.5	ppm propyl mercaptan
0.5	ppm tert. butyl mercaptan

Ethyl mercaptan, propyl mercaptan, and tert. butyl mercaptan are indicated with lower sensitivities. A mercaptan detection is not possible in the presence of ethylene and tetrahydrothiophene.

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	4
FKM hose	45	5
PTFE-lined PVC hose	3 – 15	3
Bar probe 90 (8316532)		2
Telescopic probe ES 150 (8316533)		3
Probe set GP600 (8328667)		4