

Mercury 0.005 – 0.25 mg/m³

Order no. 8610350

Measuring range:	0.005 to 0.25 mg/m ³
Typical measuring time:	approx. 240 s to 1200 s
Accuracy:	± 25 % (under calibration conditions)
Permissible ambient conditions	
Temperature:	0 to 40 °C
Temperature correction:	none
Humidity:	1 to 40 mg/L
Humidity correction:	none

Cross-sensitivities

The detection of 0.025 mg/m³ mercury is not affected by:

- 1 Vol% methane
- 50 ppm benzene
- 200 ppm toluene
- 200 ppm xylene, mixed isomers

Hydrogen sulfide leads to significant plus errors. Measurement in the presence of up to 150 ppm hydrogen sulfide is only possible together with a pre-tube (3716630). A mercury measurement is not possible in the presence of hydrogen sulfide > 150 ppm.

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