

Hydrochloric Acid 0.5 – 25 ppm

Order no. 8610090

Measuring range:	0.5 to 25 ppm
Typical measuring time:	10 to 100 s
Accuracy:	± 25 % (under calibration conditions)
Permissible ambient conditions	
Temperature:	0 to 30 °C
Temperature correction:	none
Humidity:	1 to 5 mg/L
Humidity correction:	none

Cross-sensitivities

The detection of 5 ppm hydrochloric acid is not affected by:

100 ppm hydrogen sulfide

100 ppm sulfur dioxide

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. Hydrochloric acid is absorbed by the hose and probe material for some lengths and materials in this small concentration range.

Hose / probe	Length in m	Purging time in min
FKM hose	5	5
FKM hose	10	7
FKM hose	20	20
FKM hose	45	not possible
PTFE-lined PVC hose	3 – 15	3
Bar probe 90 (8316532)		6
Telescopic probe ES 150 (8316533)		not possible
Probe set GP600 (8328667)		5