

Hydrocyanic Acid 0.5 – 50 ppm

Order no. 8610520

Measuring range:	0.5 to 50 ppm
Typical measuring time:	approx. 20 to 180 s
Accuracy:	± 15 % (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 5 ppm hydrocyanic acid is not affected by:	
	200 ppm hydrochloric acid
	200 ppm ammonia
	25 ppm sulfur dioxide
	10 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. Hydrocyanic 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 – 20	3
FKM hose	45	8
PTFE-lined PVC hose	3 – 15	3
Bar probe 90 (8316532)		3
Telescopic probe ES 150 (8316533)		not possible
Probe set GP600 (8328667)		3