Hydrochloric Acid 1 - 25 ppm

Measuring Range : 1 to 25 ppm (20 °C, 50 % r.h.)

Measuring Time : approx. 15 s at 25 ppm
                 approx. 35 s at 5 ppm
                 approx. 110 s at 1 ppm
                 approx. 90 s at 0 ppm

Ambient Operating Conditions

Temperature : 0 ... 40 °C
Correction of Temperature : 0 to 19 °C -> + 2.5 %/ °C
                            21 to 40 °C -> – 0.9 %/ °C
% of measured value over the measurement range.

Humidity : 1 to 10 mg/L (corresp. 5 to 60 % r.h. at 20 °C)
Correction of Humidity : not necessary

Air Pressure : 700 to 1100 hPa
Correction of Air Pressure : not necessary

Accuracy : ± 7 % of the measured value over the measurement range,
e.g.
           ± 0.07 ppm at 1 ppm
           ± 0.35 ppm at 5 ppm

Reproducibility : ± 10 % (Standard Deviation)

Cross Sensitivity
No influence at 5 ppm HCl by
          ≤ 10 ppm hydrogen sulphide
          ≤ 2 ppm sulfur dioxide

Measurement with Remote System
Please observe the Instructions for Use of the Remote System.

Flushing Time
For a measurement of 2 ppm hydrochloric acid in laboratory conditions, a flushing time of
3 minutes was determined.