

Hydrochloric Acid 1/a

Order No. CH 29 501

H

Application Range

Standard Measuring Range:	1 to 10 ppm
Number of Strokes n:	10
Time for Measurement:	approx. 2 min
Standard Deviation:	± 10 to 15 %
Color Change:	blue → yellow

Ambient Operating Conditions

Temperature:	5 to 40 °C
Absolute Humidity:	max. 15 mg H ₂ O / L

Reaction Principle

HCl + Bromophenol blue → yellow reaction product

Cross Sensitivity

Hydrogen sulfide and sulfur dioxide in the TLV range do not interfere. It is impossible to measure hydrochloric acid in the presence of other mineral acids. Chlorine and nitrogen dioxide are indicated, but with different sensitivities.



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