

Hydrochloric Acid 50/a

Order No. 67 28 181

Application Range

Standard Measuring Range:	500 to 5,000 / 50 to 500 ppm
Number of Strokes n:	1 / 10
Time for Measurement:	approx. 30 s / approx. 5 min
Standard Deviation:	± 10 to 15 %
Color Change:	blue → white yellow

Ambient Operating Conditions

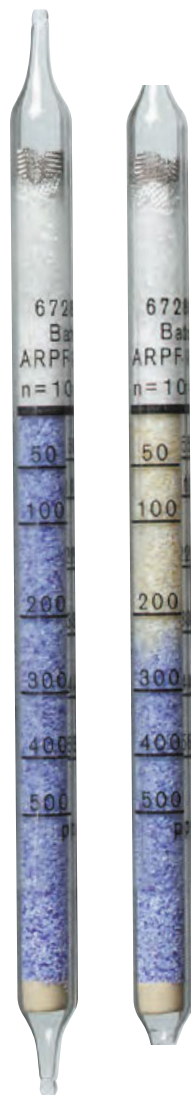
Temperature:	10 to 50 °C
Absolute Humidity:	max. 15 mg H ₂ O / L

Reaction Principle

HCl + bromophenol blue → white yellow reaction product

Cross Sensitivity

Hydrogen sulfide and sulfur dioxide do not interfere in the TLV range. 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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