

Ammonia Analyzer/Sensor

Quick Reference Guide



Product Type	NH6000sc Analyzer	A-ISE sc Sensor	AN-ISE sc Combination Sensor
Parameter	Ammonium	NH ₄ -N	NH ₄ -N and NO ₃ -N
Measurement Method	Gas sensing electrode (GSE)	Potentiometric ion-selective measurement	Potentiometric ion-selective electrodes for ammonium and potassium, reference system and temperture sensor
RFID	--	Yes	Yes
Application	Wastewater Drinking Water	Wastewater	Wastewater
Range	0.02 - 5.0 mg/L NH ₄ -N	0 - 1000 mg/L NH ₄ -N	0 - 1000 mg/L NH ₄ -N
	0.05 - 20 mg/L NH ₄ -N		0 - 1000 mg/L NO ₃ -N
	1 - 100 mg/L NH ₄ -N		0 - 1000 mg/L K ⁺
	10 - 1000 mg/L NH ₄ -N		0 - 1000 mg/L Cl ⁻
Lower Limit of Detection (LOD)	Measuring range 1: 0.02 mg/L NH ₄ -N	0.2 mg/L NH ₄ -N	0.2 mg/L NH ₄ -N and NO ₃ -N
	Measuring range 2: 0.05 mg/L NH ₄ -N		
	Measuring range 3: 1 mg/L NH ₄ -N		
	Measuring range 4: 10 mg/L NH ₄ -N		
Accuracy	With Standard Solution: Measuring range 1: ≤ 1 mg/L: 3% of the measured value + 0.02 mg/L > 1 mg/L: 5% of the measured value + 0.02 mg/L	5% of measured value + 0.2 mg/L (with standard solutions) NH ₄ -N	5% of measured value +0.2 mg/L (with standard solutions) NH ₄ -N and NO ₃ -N
	Measuring range 2: 3% of the measured value + 0.05 mg/L		
	Measuring range 3: 3% of the measured value + 1.0 mg/L		
	Measuring range 4: 4.5% of the measured value + 10 mg/L		
Sample Temperature	4 - 40 °C (39 - 104 °F)	2 - 40 °C (35.6 - 104 °F)	
Sample Pressure	2.5 bar (0.25 MPa) maximum	0.3 bar max.	
Cable Length	Data and power cable: 2 m (80 in.) from edge of enclosure	Standard: 10 m (33.8 ft) Extension cables are available as an option in the following lengths: 5, 10, 15, 20, 30, 50 m (16.4, 33.8, 49.2, 65.6, 98.4, 164 ft)	
Dimensions (D x L)	575 x 991 x 425 mm (22.63 x 39.01 x 16.73 in.)	84.5 x 320 mm (3.3 x 12.6 in.)	
Weight	Approximately 45 kg (99.21 lbs.) without chemicals	2.38 kg (5.25 lbs.)	
Controller Compatibility	Digital SC Controller		

Please note that a Hach SC controller is required for operation, controller must be purchased separately.

*Subject to change without notice.