



Nitrogen AmmoLyt® System

Ammonium Measurement directly in the Medium

- in-situ ammonium sensor
- Control of the aeration process
- Automatic air cleaning

– without Sample Preparation



The continuous measuring of O₂ and NH₄ can result in significant savings through:

- energy-optimized operation due to demand-oriented regulation of aerator aggregates,
- adherence to critical values or reduction of wastewater charges.

The low investment costs for the system can thus be amortized after a short period.

Technical Data

Appropriate Electrode	Reference electrode AmmoLyt® NHA with replacement electrode AmmoLyt® NHA/AT
Measuring Ranges/ Resolution	NH ₄ -N: 0.1 ... 1000 mg/l / 1 mg/l; 0.1 ... 100 mg/l / 0.1 mg/l NH ₄ ⁺ : 0.1 ... 1290 mg/l / 1 mg/l; 0.1 ... 129.0 mg/l / 0.1 mg/l mV: -2000 ... +2000 mV/1 mV
Temp. Measurement and Compensation	Integrated NTC thermistor Range: 32 ... 104 °F (0 °C ... +40 °C)
Calibration Procedures	1-point/2-point calibration with standard solution, known addition, double-known addition, in-situ calibration against reference solution
pH range	pH 4 ... pH 8.5
Accuracy	max ±5% (or better) of measuring end range
Working Life	AmmoLyt® NHA: 6 ... 12 months AmmoLyt® NHA/AT: 3 ... 8 months
Dimensions	19.76 x 1.57 in. (502 x 40 mm; L X D), incl. SACIQ sensor connection cable
Weight	Approx. 2.14 lb (970 g, without electrode, without SACIQ sensor connection cable)

Ordering Information

AmmoLyt® System		Order No.
AmmoLyt® 700 IQ	Robust digital armature for ion-selective electrodes (AmmoLyt® NHA/AmmoLyt® NHA/AT; not included in scope of delivery)	107 002
AmmoLyt® NHA	Ammonium reference electrode	107 004
AmmoLyt® NHA/AT	Ammonium replacement electrode	107 006
CH	Cleaning head	900 107
MIQ/CHV	Valve module for automatic compressed air cleaning; accessible by means of an IQ SENSOR NET relay	900 109
Standard Solutions see brochure "Product Details"		

