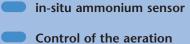
Nitrogen



## AmmoLyt<sup>®</sup> System

## Ammonium Measurement directly in the Medium



process

Automatic air cleaning

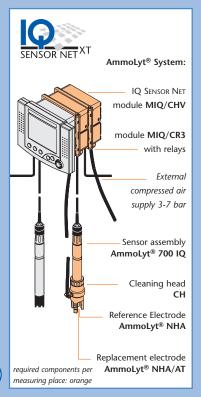
- without Sample Preparation



The continuous measuring of  $O_2$  and  $NH_4$  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 $AmmoLyt^{\otimes}$ NHA with replacement electrode $AmmoLyt^{\otimes}$ NHA/AT   |  |  |
|---------------------------------------|---|--|--|
| Measuring Ranges/                     | NH <sub>4</sub> -N: 0.1 1000 mg/l / 1 mg/l; 0.1 100 mg/l / 0.1 mg/l   |  |  |
| Resolution                            | NH <sub>4</sub> +: 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<br>and Compensation | Integrated NTC thermistor<br>Range: 32 104 °F (0 °C +40 °C)   |  |  |
| Calibration<br>Procedures             | 1-point/2-point calibration with standard solution, known addition, double-known addition, in-situ calibration against reference solution |  |  |
| pH range                              | рН 4 рН 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 <sup>®</sup> System |   | Order No.           |
|-----------------------------|---|---------------------|
| AmmoLyt <sup>®</sup> 700 IQ | Robust digital armature for ion-selective electrodes<br>(AmmoLyt® NHA/AmmoLyt® NHA/AT; not included in scope of d | 107 002<br>elivery) |
| AmmoLyt <sup>®</sup> NHA    | Ammonium reference electrode  | 107 004             |
| AmmoLyt <sup>®</sup> NHA/AT | Ammonium replacement electrode  | 107 006             |
| СН                          | Cleaning head   | 900 107             |
| MIQ/CHV                     | Valve module for automatic compressed air cleaning;<br>accessible by means of an IQ SENSOR NET relay              | 900 109             |
|                             | Standard Solutions see brochure "Product Details"   |                     |

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For information visit www.WTW.com for a customer care center near you or inside US: call WTW 800 645 5999.