

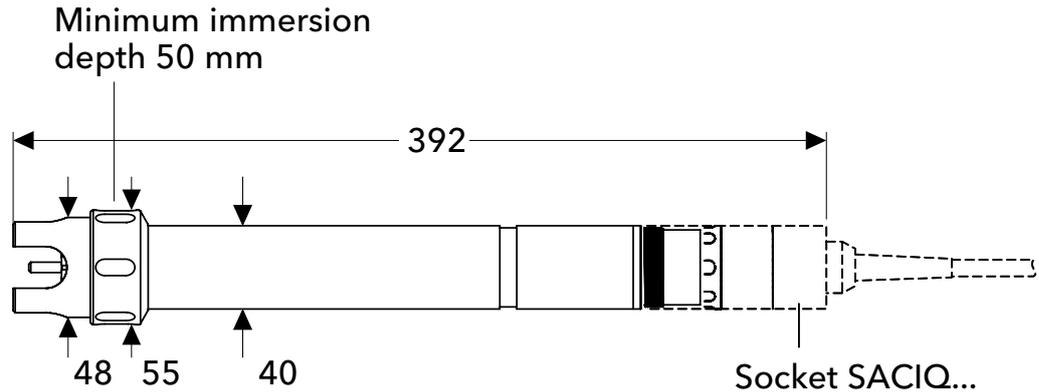


# Digital ISE sensor AmmoLyt® for ammonium



Ammonium measurement directly in the medium without sample preparation and sample transfer. Measurement of centrate and other process waters up to 2,000 mg/l NH<sub>4</sub>-N

We would like to inform you about the application range on our website



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|--|--|--|
| <b>Model</b>   | <b>AmmoLyt®Plus</b>  |  |
| <b>Measuring method</b>                                    | Potentiometric   |  |
| <b>Appropriate electrode</b>                               | Reference electrode VARION® Ref, Measuring electrode VARION®Plus NO <sub>3</sub> , Compensation electrode VARION®Plus Cl           |  |
| <b>Measuring range/<br/>resolution</b>                     | NH <sub>4</sub> -N: 1 ... 2,000 mg/l / 1 mg/l; 0.1 ... 100 mg/l / 0.1 mg/l   |  |
| <b>compensation range</b>                                  | NH <sub>4</sub> +: 1 ... 2,580 mg/l / 1 mg/l; 0.1 ... 129.0 mg/l / 0.1 mg/l  |  |
| <b>Measuring accuracy</b> in laboratory standard solutions | ± 5 % of measured value ± 0.2 mg/l in standard solutions   |  |
| <b>Calibration procedures</b>                              | Matrix adjustment against any reference value, 2-point-calibration possible with multiple standard solution                        |  |
| <b>Working life</b> (typically)                            | Reference electrode: 18 months, measuring and compensation electrode: 18 months (in typical application - municipal sewage plants) |  |
| <b>Temperature measurement and compensation</b>            | Integrated NTC thermistor, Range 32 °F ... 104 °F (0 °C ... +40 °C), Accuracy ±0.5 K, Resolution 0.1 K, t <sub>95</sub> < 20 s     |  |
| <b>pH range</b>  | pH 4 ... pH 8.5  |  |
| <b>Pressure resistance</b>                                 | Maximum 0.2 bar (incl. SACIQ sensor connection cable, with installed electrodes)   |  |
| <b>Ambient conditions</b>                                  | Operating temperature: 32 °F ... 104 °F (0 °C ... +40 °C), storing temperature: 32 °F ... 104 °F (0 °C ... +40 °C)                 |  |
| <b>Electrical connections</b>                              | 2-wire shield cable with quick fastener to sensor  |  |
| <b>Electromagnetic compatibility</b>                       | EN 61326, Class B, FCC Class A; Intended for indispensable operation   |  |
| <b>Certifications</b>                                      | CE, UKCA   |  |
| <b>Mechanical</b>  | Sensor body: V4A stainless steel 1.4571<br>Temperature sensor: V4A stainless steel 1.4571<br>Electrode connector: POM              | Protective cup: POM<br>Protection rating: IP 68 (0.2 bar, with installed electrodes) |
| <b>Weight</b>  | Approx. 1.48 lb (670 g, without electrode, without sensor connection cable)  |  |
| <b>Warranty</b>  | AmmoLyt®Plus 700 IQ: 2 years<br>Electrodes: 1 year for defects of quality  |  |

| Model                         | Description  | Order No. |
|-------------------------------|--|-----------|
| <b>AmmoLyt® Plus 700 IQ</b>   | Digital sensor for ion selective measurement of ammonium (Please order the sensor cable SACIQ separately)                        | 107070    |
| <b>AmmoLyt® Plus SET/Comp</b> | AmmoLyt®Plus 700 IQ, VARION® Ref, VARION®Plus NH <sub>4</sub> and VARION®Plus K (Please order the sensor cable SACIQ separately) | 107072    |



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