

AmmoLyt® Plus



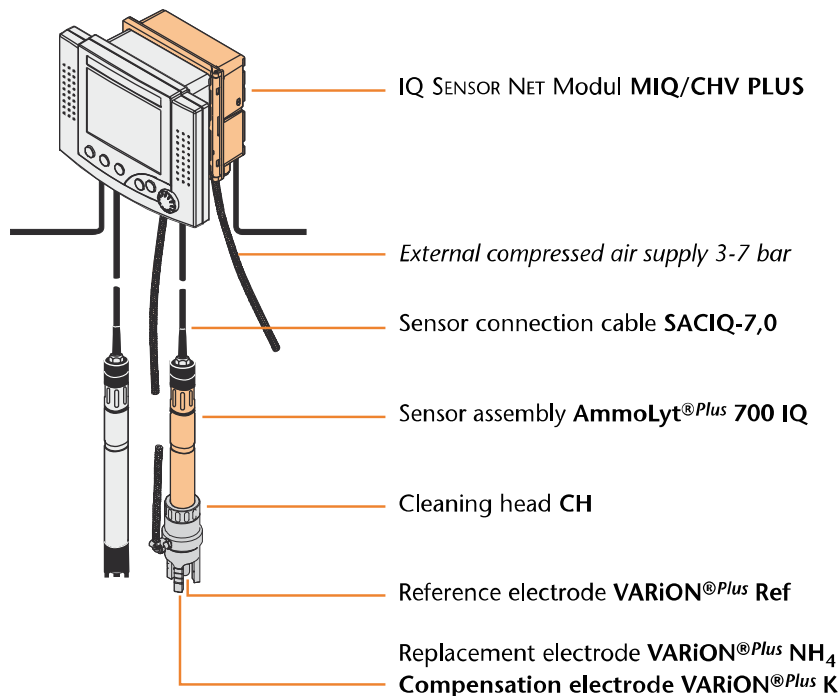
- In-situ-Ammoniumsensor with potassium compensation
- Economic, cost-effective
- Calibration-free, long term stable
- Short response time

Ammonium Measurement directly in the Medium – 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 potassium measuring value can be displayed optionally.

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



recommended components per AmmoLyt® Plus measuring place: orange

IQ-LabLink

With the initial installation of AmmoLyt^{®Plus} the dependency of the used electrode reference values for ammonium or potassium is determined by a photometric system and can be adapted with AmmoLyt^{®Plus}.

The measuring data is required for guaranteeing a precise matrix adaption.

For enhancing the data transfer between the laboratory photometer spectroFlex and AmmoLyt^{®Plus}, a USB memory stick in combination with the IQ-LabLink function can be used for the MIQ/TC 2020 XT to automatically read the data and store it on AmmoLyt^{®Plus}.

- Safe, comfortable and fast data transfer
- Automatic plausibility check of data



Local Contact:
Lazenby & Associates, Inc.
PH: (239) 567-9199
Fax: (239) 275-8455
email: mail@lazenby.net
www.lazenby.net

Technical Data AmmoLyt ^{®Plus}	
Appropriate Electrode	Reference electrode VARION ^{®Plus} Ref, Measuring electrode VARION ^{®Plus} NO ₃ , Compensation electrode VARION ^{®Plus} Cl
Measuring Ranges/Resolution	NH ₄ -N: 1 ... 1000 mg/l / 1 mg/l; 0.1 ... 100 mg/l / 0.1 mg/l NH ₄ ⁺ : 1 ... 1290 mg/l / 1 mg/l; 0.1 ... 129.0 mg/l / 0.1 mg/l
Compensation Range:	K ⁺ : 1 ... 1000 mg/l / 1 mg/l
Temp. Measurement and Compensation	Integrated NTC thermistor Range: 32 ... 104 °F (0 ... +40 °C), Accuracy ±0.5 K, resolution 0.1 K, t ₉₅ < 20 s
Calibration Procedures	Matrix adjustment against any reference value, 2-point-calibration possible with multiple standard solution
Ambient Conditions	Integrated NTC thermistor Range: 32 ... 104 °F (0 ... +40 °C), Accuracy ±0.5 K, resolution 0.1 K
pH Range	pH 4 ... pH 8.5
Measuring Accuracy in laboratory standard solutions	± 5% of measured value ± 0.2 mg/l in standard solutions
Working Life (typically)	All electrodes: 18 months (in typical application - sewage plants)
Mechanical	Sensor body: V4A Stainless Steel 1.4571 Protective cap: POM, Temp. sensor: V4A Stainless Steel 1.4571 Protection rating: IP 68 (0.2 bar, with installed electrodes) Electrode connector: POM
Max. Pressure	Maximum 0.2 bar (incl. SACIQ sensor connection cable; with installed electrodes)
Power Consumption	0.2 Watt
Dimensions	15.43 x 1.57 in. (392 x 40 mm, length x diameter), incl. sensor connection cable SACIQ
Weight	Approx. 1.48 lb (670 g, without electrode, without sensor connection cable)
Guaranty	AmmoLyt ^{®Plus} 700 IQ: 2 years for defects of quality

Ordering Information

AmmoLyt ^{®Plus} -System		Order No.
AmmoLyt^{®Plus} 700 IQ	Robust digital armature for ion-selective electrodes (VARION ^{®Plus} Ref/VARION ^{®Plus} NH ₄ /VARION ^{®Plus} K; not included in the delivery scope)	107 080
VARION^{®Plus} Ref	Reference electrode for VARION ^{®Plus} 700 IQ/AmmoLyt ^{®Plus} 700 IQ/NitraLyt ^{®Plus} 700 IQ	107 042
VARION^{®Plus} NH₄	Ammonium electrode	107 044
VARION^{®Plus} K	Electrode for dynamic potassium compensation with ammonium measuring	107 046
CH	Cleaning head	900 107
MIQ/CHV PLUS	Valve module for automatic cleaning by compressed air controlled directly via the IQ SENSOR Net bus	480 018
DIQ/CHV	Valve module for automatic compressed air cleaning for System 182; accessible by means of an DIQ/S 182 relay	472 007



Standard Solutions see brochure "Product Details"