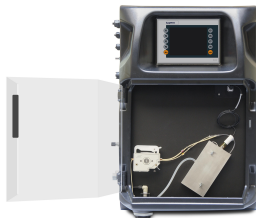


## EnviroLyzer-NH<sub>4</sub>-N<sup>®</sup>

### 电极法用于在线测量 – 氨氮 Ammonia NH<sub>4</sub>-N



电极法标准量程：1 – 10 – 1 000 mg/l （内部稀释可达更高量程）

**典型应用：** 饮用水、锅炉给水、处理过的废水、冷却水、过程水和地表水等

#### 测量原理：

**原理：** 取样之后，同时添加离子强度调节溶液（缓冲溶液）去调整酸碱度和确保样品溶液的总离子强度。温度修正的 mV 电势通过氨气敏电极测量。使用测量的电势和获得的校准数据来确定氨氮浓度。

**干扰：** 挥发性胺，脂肪，油，蛋白质，表面活性剂，焦油。

**Summary:** Ammonia is a compound of nitrogen and hydrogen with the formula NH<sub>3</sub>. It is a gas with a characteristic pungent odour. Ammonia contributes significantly to the nutritional needs of terrestrial organisms by serving as a precursor to food and fertilizers. Ammonia, either directly or indirectly, is also a building block for the synthesis of many pharmaceuticals. Although in wide use, ammonia is both caustic and hazardous.

Nitrogen is a nutrient in the environment and is necessary to sustain growth of most organisms. It exists in several forms such as nitrate, nitrite, organic nitrogen such as proteins or amino acids, and ammonia. Ammonia may occur in water as a product of anaerobic decomposition of nitrogen containing compounds or from waste streams containing Ammonia.

#### 技术指标：

项目	技术指标
检测方法	离子电极法 <b>Gas Sensing Electrode (GSE) methodology</b>
符合标准	ASTM D426
量程	1 – 10 – 1 000 mg/l 标准量程（样品稀释可达更高量程）
测量周期	可自行设定测量周期 1 cycle/10 minutes 或连续测量
检测限	≤ 0.1 mg/L (for 0 - 10 mg/L NH <sub>4</sub> -N)
电极	Ammonia Gas Sensing electrode Pt 1000 sensor
精度	< 2% 满量程，适合标准测试溶液
准确性	≤ ±5% FS
重复性误差	≤ ±5% FS
零点漂移	≤ ±5% FS
量程漂移	≤ ±5% FS
输出信号	4-20 mA 和 modbus
报警	故障报警 结果报警

仪器外壳	IP55
绝缘电阻	20MΩ
电源	220V 50 HZ
尺寸	69 cm x 46.5 cm x 33 cm (高 x 宽 x 深)
重量	25 kg 公斤
认证	CE 认证
其他	智能特点: 自动校准、自动检验和自动清洗, 出厂时的配置, 试验和校准。任选多个样品流。

### 订购指南:

随机发货:

1. 标准量程 EnviroLyzer 电极法氨氮仪器
2. K0100301 5,7 寸彩色触摸屏 (内含)
3. 4-20 mA 和 Modbus
4. 试剂桶
5. 一年备品备件

CONSUMABLES FOR 1 YEAR OPERATION 一年内所需备品备件:

Item	Qty	Reference	Description
1	1	A0020290	EPDM Duckbill for micropump 50µl (2pcs)
2	1	C0010000	Magnetic stirrer bar 8mmX3.0mm,COL 20mm
3	1	F0001610	Membrane kit for Ammonia ISE electrode (3 pcs)
5	1	B0011500	Tubing size 14 Norprene (15m)

RECOMMENDABLE SPARE PARTS FOR 1 YEAR OPERATION

Item	Qty	Reference	Description	Code
1	1	A0020800	Pinch-valve 075 2 way,NC, 24Vdc	A
2	1	A0020801	Pinch-valve 075 2 way,N0, 24Vdc	A
3	1	B0013010	cartridge for pumthead	A
4	1	C0000500	Flowcell 001 ISE measurement	O
5	1	F0001606	ISE Ammonia electrode	A
7	1	Z0000405	Motor fixed speed 6 rpm 24Vdc	O
8	1	Z0008000	Assembly motor stirrer 24Vdc 001	O

Legend Code: A Advisable O Optional

EXTRAS: 额外选项

Item	Qty	Reference	Description
1	1	K0100301	5"7 touch color screen 5"7 寸彩色触摸屏

声明: 本公司研发生产部门一直致力于产品更新, 如果出厂前, 仪器因为更新造成实际产品与本材料不符的, 比如: 部分备品和备件和实际发货会有所变化, 或因客户实际应用测量周期等变化, 随机赠送的试剂瓶有所调整, 都不再另行通知, 本公司保留更换的权利, 并且不承担客户追究的责任。