



Innovation in Environmental & Process Technology

We **Understand** Water & Waste Water Monitoring

Ammonium Measurement - AmNisys

In-Situ Ammonia with Additional Parameters, auto cleaning, simple to use



AmNisys Transmitter



Compact In-situ probe housing, with space for up to 4 sensors

Features:

- Reagent free measurement
- Robust low drift, specific membrane
- Air blast cleaning option
- Up to 4 sensors - pH, Nitrate options
- Graph display, analog & digital outputs
- Options for interference compensation
- Flexible install options within different size weatherproof housings



Flexible install options for ease of deployment

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System Specification

Operation principle	Ion Selective Electrode , Ammonium , Nitrate, pH, Temperature
Range	0.1 - 1000 mg/l NH ₄ -N 0.1 - 2000 mg/l NO ₃
	PH 2-12
Resolution	0-40°C
Repeatability	Dependent on parameter
Detection Limit	+/- 5% of full scale
Response Time	95% < 1 min
Calibration Method	Manual, single pt offset or 2 point calibration in sample matrix

Transmitter Specification

Construction	Dimensions (h x w x d)	255 x 215 x 120 mm
	Weight	2.5 kg
	Materials	Polystyrol Ambient
	Environmental	0-50°C
Outputs	Weather Protection	IP65
	Display	Graphic / Colour LCD
	Analogue:	4x 4- 20mA, max 500 ohms
	Digital:	4x user config relays - (6A@ 250v ac)
Inputs	Data interface:	Rs232 / Rs485
	In-situ sensor assem	Maximum 2 (more optional)
	Parameters	Maximum 4
Supply Requirements	Supply voltage:	110-240v AC
	Load:	15 va (excluding compressor)

Sensor Assembly Specification

Construction	Materials	Aluminium
	Weight	4.5 kg
	Dimensions (short)	500 (mm) x 70 (mm)
	Dimensions (long)	1360 (mm) x 115 (mm)
	Environmental	IP68

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