

# AMMONIUM PROBE

AMM1000A

## FEATURES & BENEFITS

- Real-time ammonium monitoring
- Ion selective electrode (ISE) technology
- Robust and compact design
- Built-in temperature compensation
- Simple to install and easy to operate
- No reagents required

MUNICIPAL DRINKING WATER  
MUNICIPAL WASTEWATER  
INDUSTRIAL PROCESS WATER  
INDUSTRIAL WASTEWATER

WATER QUALITY  
MONITORING  
SOLUTIONS

## REAL-TIME MONITORING SOLUTION

### Ammonium Probe

Real Tech's submersible Ammonium probe provides rapid real-time measurement of ammonium in water or wastewater.

### Controllers and Accessories

Our innovative modular product platform ensures our clients gain the real-time water quality monitoring system that meets their specific demands and budget. With multiple sensor, controller and accessory options available, Real Tech provides a total solution for all of your unique water quality needs.

### Liquid Ai Compatible

Our Liquid Ai data services complement our real-time water quality monitoring systems. Calibration Health Monitoring ensures accuracy and reliability are maintained so our clients can have the utmost confidence in their results, while our Remote Monitoring platform enables access to data anywhere, anytime.

## MEASUREMENT PRINCIPLE

Real Tech's Ammonium probe uses ion selective electrode measurement technology to monitor ammonium continuously. The integrated automatic temperature compensation provides onboard compensation for changes in temperature to derive accurate results. Ideal for both water and wastewater treatment applications, the sensor measures from 0.014 to 14,000 ppm as N. Real Tech's Liquid Ai Calibration Health Monitoring service is highly recommended for this product to help improve performance reliability, lower maintenance requirements and the frequency of manual recalibration that is needed.

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# AMMONIUM PROBE SPECIFICATIONS

CHARACTERISTIC	TECHNICAL DATA
Parameter	Ammonium
Range	0.014 ppm to 14,000 ppm as N ( $1 \times 10^{-6}$ M to 1M)
Units	ppm
Measurement Principle	Ion selective electrode measurement technology
pH Range	4 - 10 pH
Temperature Range	0 - 50°C
Temperature Compensation	Integrated temperature compensation with built-in temperature sensor
Resistance	1 to 4 MΩ
Reproducibility	± 4%
Electrical/Communication	From controller
Cartridge Replacement	6 months (application dependent)
Storage Temperature	-10°C to 60°C (14 to 140°F)
Weight	4 lb
Dimensions	8.37"H x 0.745"D
Warranty	2-year limited warranty

\* Technical Specifications are subject to change without notice.

## PROBE MODEL & RANGE

Includes ammonium probe and 20 ft communication cable.  
Controller and accessories sold separately.

MODEL #	AMMONIUM (ppm)
AMM1000A	1 x 10 <sup>-6</sup> to 1M (0.014 – 14,000 ppm as N)

\* Stated ranges approximate, dependent on industry, site and application

## CONTROLLERS

PRODUCT #	NAME	DESCRIPTION
S-169000	Real Controller	Wall mounted controller with 4-line x 20-character back lit LCD display
S-11TPC	Real Controller Pro	Wall mounted controller with touch panel PC interface (PC inside cabinet model)
S-11TPCD	Real Controller Pro	Wall mounted controller with touch panel PC interface (PC external on door model)

## ACCESSORIES

PRODUCT #	NAME	DESCRIPTION
S-219081	Probe Mounting Kit I	Provides secure mounting attachment for probe to a tank wall or open channel wall. No pole included.
S-219082	Probe Mounting Kit II	Provides secure mounting attachment for probe to a tank wall or open channel wall. 5' pole included.
S-219083	Probe Mounting Kit III	Provides secure mounting attachment for probe to a tank wall or open channel wall. 10' pole included.

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