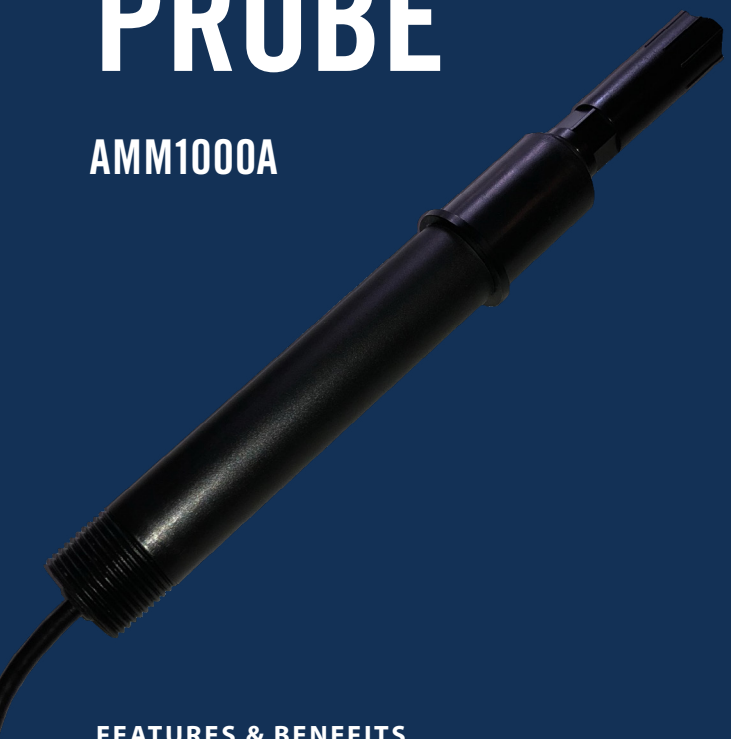
AMMONIUM PROBE

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.

REALTECH INC.

AMMONIUM PROBE SPECIFICATIONS

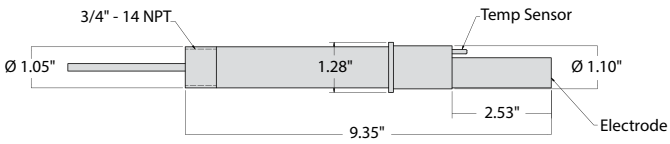
CHARACTERISTIC	TECHNICAL DATA
Parameter	Ammonium
Units	ppm
Range	0.014 ppm to 14,000 ppm as N (1 x 10^{-6} M to 1M)
Accuracy	± 4% of measurement
Response Time	1 minute
Limit of Detection (LOD)	0.014 ppm as N
Measurement Principle	Ion selective electrode measurement technology
pH Range	4 - 10 pH
Temperature Range	0 - 50°C
Temperature Compensation	Integrated temperature compensation with built-in temperature sensor
Electrical/Communication	From controller via AMM interface box
Cartridge Replacement	6 months (application dependent)
Storage Temperature	-10°C to 60°C (14 to 140°F)
Weight	4 lb
Dimensions	9.35" H x 1.28"D
Warranty	2-year limited warranty

* Technical Specifications are subject to change without notice.

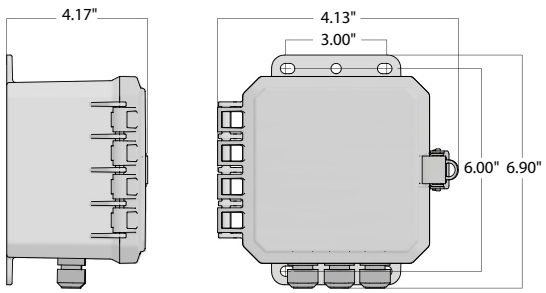
DIMENSIONS

The AMM1000A probe can be installed in a tank or open channel directly using a pole mounting kit, or in a bypass manifold.

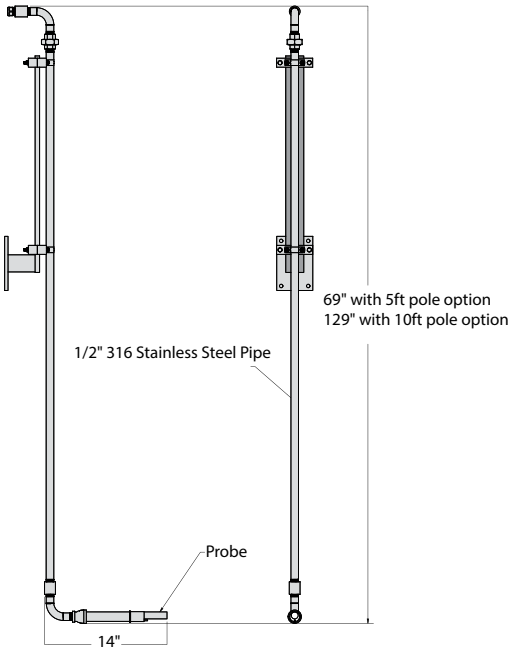
DIMENSIONS FOR AMMONIUM PROBE



DIMENSIONS FOR AMM INTERFACE BOX



POLE MOUNTING FOR AMMONIUM PROBE



PROBE MODEL & RANGE

Includes ammonium probe, AMM interface box and 20 ft communication cable.
Controller and accessories sold separately.

MODEL #	AMMONIUM (ppm)
AMM1000A	1 x 10^{-6} to 1M (0.014 – 14,000 ppm as N)

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

CONTROLLERS

Controllers include proprietary inputs for Real Tech sensors and accessories.

PRODUCT #	NAME	DESCRIPTION
S-229005	Real Controller Lite	Wall mounted controller with 4-line x 20-character back lit LCD display. Includes modbus RTU (RS485)
S-169000	Real Controller	Wall mounted controller with 4-line x 20-character back lit LCD display. Includes modbus RTU (RS485), 1 channel of 4-20 mA out and digital I/O module
S-11TPC	Real Controller Pro	Wall mounted controller with 12.1" colour LCD touch panel PC interface (PC inside cabinet model). Includes Modbus TCP
S-11TPCD	Real Controller Pro	Wall mounted controller with 12.1" colour LCD touch panel PC interface (PC external on door model). Includes Modbus TCP

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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