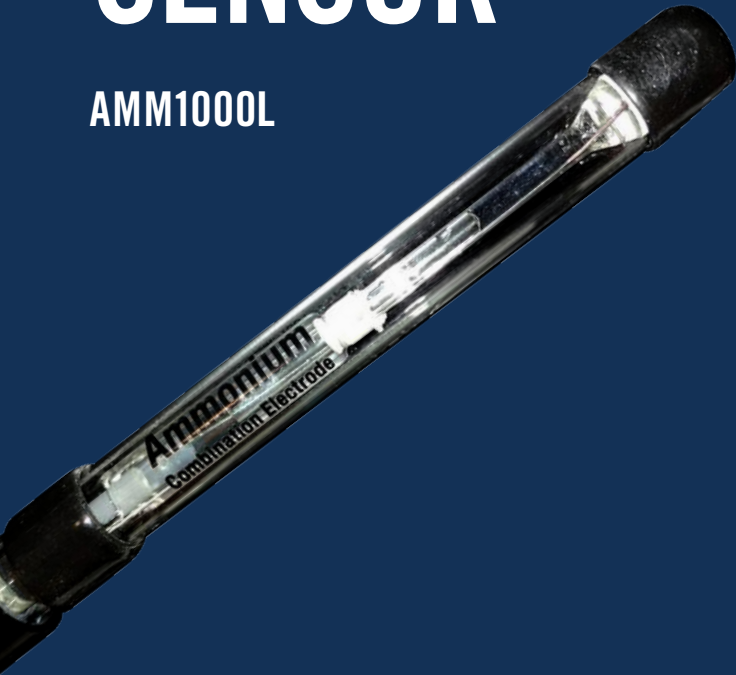


AMMONIUM SENSOR

AMM1000L



FEATURES & BENEFITS

- Real-time ammonium monitoring
- Ion selective electrode (ISE) technology
- Range for wastewater to high purity applications
- 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 Sensor

Real Tech's bypass style Ammonium sensor 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 sensor uses ion selective electrode measurement technology to monitor ammonium continuously without any additional reagents. 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 saturated down to 0.1 ppm. 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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INC.



AMMONIUM SENSOR SPECIFICATIONS

CHARACTERISTIC	TECHNICAL DATA
Parameter	Ammonium
Range	0.1 ppm to Saturated (5×10^{-6} M to Saturated)
Units	ppm
Measurement Principle	Ion selective electrode measurement technology
pH Range	4 - 10 (pH correction required above 8*)
Temperature Range	0 - 40°C
Temperature Compensation	Integrated Automatic Temperature Compensation (ATC)
Resistance	100 megaohms
Response Time	95% response in 30 seconds
Flow Rate	300-1000 mL/min
Pressure Rating	5 PSI maximum
Fluid Connections	1/4" OD tube push-in fittings
Electrical/Communication	From controller
Storage Temperature	-10°C to 60°C (14 to 140°F)
Weight	4 lb
Dimensions	7.90"H x 6.00"W x 3.13"D
Warranty	2-year limited warranty

* Technical Specifications are subject to change without notice.

* pH correction requires Real Controller Pro

The AMM1000L Ammonium sensor is installed in a bypass manifold that is mounted directly on a wall, railing or system backboard. Sample is supplied to the sensor from either a pressurized source or from an open-channel using an accessory pumping system.

SENSOR MODEL & RANGE

Includes ammonium sensor, bypass chamber and 50 ft communication cable.
Controller and accessories sold separately.

MODEL #	AMMONIUM (ppm)
AMM1000L	0.1 ppm to Saturated (5 x 10 ⁻⁶ M to Saturated)

* 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

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