

# AMMONIUM SENSOR



## FEATURES & BENEFITS

- Simple, accurate and affordable
- Ion selective electrode technology
- Real-time ammonium measurement
- Built-in temperature compensation
- Range for wastewater to high purity applications
- No reagents required

MUNICIPAL DRINKING WATER  
MUNICIPAL WASTEWATER  
INDUSTRIAL PROCESS WATER  
INDUSTRIAL WASTEWATER

WATER QUALITY  
MONITORING  
SOLUTIONS

## OVERVIEW

Real Tech's ammonium sensor provides rapid real-time measurement of ammonium in water or wastewater. The 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 Maintenance service is highly recommended for this product to help improve performance reliability, lower maintenance requirements and the frequency of manual recalibration that is needed.

## MODELS

PRODUCT #	NAME	RANGE
AM1000	Real Ammonium Sensor	0.1 ppm to Saturated ( $5 \times 10^{-6}$ M to Saturated)

Includes sensor, manifold and 10 ft communication cable. Controller and automatic cleaning system sold separately.



**REALTECH**  
INC.

## SPECIFICATIONS

CHARACTERISTIC	TECHNICAL DATA
Model #	AM1000
Measurement Principle	Ion selective electrode measurement technology
Measurement Ranges	0.1 ppm to Saturated ( $5 \times 10^{-6}$ M to Saturated)
pH Range	4 - 10
Temperature Range	0 - 40°C
Temperature Compensation	Integrated Automatic Temperature Compensation (ATC)
Flow Range	300-1000 mL/min
Maximum Pressure	30 PSI
Resistance	100 megaohms
Response Time	95% response in 30 seconds
Electrical/Communication	From controller
Storage Temperature	-10°C to 60°C (14 to 140°F)
Weight	1 lb
Warranty	2-year limited warranty

\* Technical Specifications are subject to change without notice.

**FIGURE 1:**  
Ammonium sensor  
installed in manifold.

