



Amtax sc Ammonium Analyzer, 10-1000 mg/L NH₄-N, 115 V, 5 m Filterprobe sc

Product #: 6158400
AUD Price (Incl. GST): Contact Hach
Not in stock - ships within 4-6 weeks



Hazardous
Items with this mark may be considered hazardous under some shipping conditions.

If necessary, we will change your selected shipping method to accommodate these items.

Wide measurement range for a variety of wastewater applications

The Hach Amtax sc Ammonium Analyzer measures NH₄-N concentrations as low as 0.02 mg/L and as high as 1000 mg/L. With a fast 5 minute response time, it enhances control of the nutrient removal process. This is no "black box" system - you get transparent, high quality measurements for reliable values.

Prognosis is a predictive diagnostic system that allows you to be proactive in your maintenance, by alerting you to upcoming instrument issues. Know with confidence whether changes in your measurements are due to changes in your instrument or your water.

Amtax sc must be connected to an SC1000 to form a complete loop.

This instrument connects to Claros, Hach's innovative Water Intelligence System, enabling you to seamlessly connect and manage instruments, data, and process – anywhere, anytime. The result is greater confidence in your data and improved efficiency in your operations. To unlock the full potential of Claros, insist on Claros Enabled instruments.

Wide Measurement Range

Hach AMTAX sc Ammonium Analyzers are available in four measurement ranges. Each range only needs a different set of reagents and selection of the desired range in the instrument menu. Range 1: 0.02 to 5 mg/L Range 2: 0.05 to 20 mg/L Range 3: 1 to 100 mg/L Range 4: 10 to 1000 mg/L

Wide Detection Limit for a Variety of Wastewater and Drinking Water Applications

With detection limits as low as 0.02 mg/L and as high as 1000 mg/L, the AMTAX sc Ammonium Analyzer can be used anywhere in the wastewater treatment process, from the influent or start of the nitrification process where ammonia levels are at their highest to the effluent where ammonia levels are at their lowest. In the lowest range it can also be used for drinking water applications.

Fast Response Time for Control of Nutrient Removal Process

Nutrient removal is a critical and sensitive process in wastewater treatment. Quick response is vital for optimal operation. The fast response time of only 5 minutes, including sample preparation and selection of the measurement interval, make the AMTAX sc Ammonium Analyzer the fastest responding ammonia analyzer on the market.

Easy Installation at the Measurement Point

Hach's AMTAX sc Ammonium Analyzer is designed to be installed at the measurement point (including outdoor installations). The housing is weatherproof and lockable so that the AMTAX sc analyzer can be installed right at the basin, even in the toughest climates. Easily mounts to a wall. Rail- and stand-mounting options are available. The unit comes complete and assembled (no separate housing is required).

Low Maintenance

Several features make the AMTAX sc Ammonium Analyzer easy to use and maintain. The Filter probe sc is equipped with a self-cleaning filter. With at least a 3-month supply of reagents (for 5 min interval), the AMTAX sc Analyzer offers the most economical reagent

consumption. Automatic cleaning and calibration once a day with two standard solutions. Comprehensive self diagnostics. Easy access to reagents and wear parts

Specifications

Accuracy:	Using standard solutions: 4.5 % + 10 mg/L
Cable Length:	2 m fixed data cable at analyzer
Cable Length 2:	2 m fixed power cable at analyzer
Current Output:	Relay, current outputs, bus interface via SC1000 controller or SC200 controller
Data Transfer:	Current output, relays and bus communication via SC controller
Dimensions (H x W x D):	720 mm x 540 mm x 390 mm
Enclosure Rating:	IP55
Filtersystem included:	yes, with 5m sample hose
Flow:	1 - 20 L/h Sample (free of suspended solids)
Fuse Protection:	Via SC1000 controller or power box. Maximum of 2 analysers per SC1000 or power box
Lower Limit of Detection (LOD):	10.0 mg/L NH ₄ -N
Material:	ASA/PC UV-resistant
Measurement method:	GSE (Gas Sensitive Electrode) with screw-on membrane cap
Measuring Interval:	5 - 120 min, adjustable per 5 min.
Measuring Principle:	NH ₄ is being converted to NH ₃ gas, wich is being measured at the GSE.
Number of Channels:	1
Operating Humidity:	95% relative humidity, non-condensing.
Operating temperature range:	-20 - 45 °C
Output:	Relay, current outputs, and bus interface via sc 1000 Multi-parameter Universal Controller or sc 200 with power box.
Parameter:	Ammonium
Permissible Chloride Range:	Max. Cl ⁻ concentration: 1000 mg/L
pH Range:	5 - 9 pH
Power requirements (Hz):	60 Hz
Power requirements (Voltage):	115 V AC, powered by Power Box or SC1000
Pressure Range:	-30 - 50 mbar With continuous sample preparation; at overflow vessel
Range:	10.0 - 1000 mg/L NH ₄ -N
Reproducibility:	2 % + 10 mg/L
Response Time:	< 5 minutes, including sample preparation
Response time:	< 5 min
Sample Level:	Sample level in basin and filtration system must be below analyzer.
Sample Quality:	Ultra filtrated or comparable.
Sample Temperature:	4 - 40 °C (39 - 104 °F)
Sampling Option:	with Filterprobe (5m heated hose)
Special Feature:	Lockable housing; automatic cleaning and calibration; extensive self-diagnostics
Storage conditions:	4 to 55 °C less than 95% Relative Humidity
Weight:	Without sample preparation system and without chemicals: 31 kg

What's in the box?

10-1000 mg/L NH₄-N, 115 VAC AMTAX sc Ammonium Analyzer, Filter Probe sc with 5 Meter Heated Hose, 3 month supply of all necessary consumables at 5 minute cycle time, user manuals.

Required Accessories

- SC1000 Multi-parameter Universal Controller Display Module (without GSM/GPRS) (Item LXV402.99.00002)
- SC1000 Probe Module, 6 sensors, Prognosys Module, Modbus RS485, 100-240V AC, no power cord (Item LXV400.99.1H082)
- SC1000 Probe Module, 8 sensors, Prognosys Module, 100-240V AC, no power cord (Item LXV400.99.1G092)