



Amtax sc Ammonium analyser on-site, MB3 (1 - 100 mg/L), 2-channel (230 V / 50 Hz)

Product #:

LXV421.99.24001 **Hazardous**

AED Price:

Contact Hach



AMTAX sc - highly flexible NH_4 Analyser for on-site measurement

Can take two continuous sample streams coming from sample preparations. The analyzer is equipped with an insulated enclosure for indoor and outdoor installation. The sample can be analyzed before any degradation. The ammonium in the sample is first converted to gaseous ammonia. Only the NH_3 gas passes through the gas-permeable membrane of the electrode and is detected. This method guarantees a wide measuring range and is less susceptible to cross-sensitivity methods that make use of an ion-selective electrode (ISE).

Automatic cleaning and calibration

Extensive self-diagnosis

Simple handling and operation

Wall mountable, rail mountable and mountable on a stand

"Plug & Play" with the SC 1000 controller

Specifications

Accuracy:	Using standard solutions: 3 % + 1.0 mg/l
Cable length:	2 m fixed power cable at analyzer
Current output:	Relay, current outputs, bus interface via sc1000 controller or sc 200 controller
Data types:	Stromausgänge, Relais-Kontakte und BUS-Kommunikation über SC Controller
Detection limit:	1.0 mg/L $\text{NH}_4\text{-N}$
Dimensions (H x W x D):	720 mm x 540 mm x 390 mm
Enclosure waterproof rating:	IP55
Flow:	1 - 20 L/h Sample (free of suspended solids)
Fuse protection:	Via sc 1000 controller or power box maximum of 2 analysis instruments for each sc 1000 or power box
Indoor/Outdoor:	Outdoor
Material:	ASA/PC UV-resistant
Measurement method:	GSE (Gas Sensitive Electrode) with screw-on membrane cap
Measuring interval:	5 to 120 min , adjustable per 5 min.
Measuring principle:	GSE (Gas-Sensitive Electrode)
Measuring range:	1.0 - 100 mg/L $\text{NH}_4\text{-N}$

Number of channels:	2
Operating humidity:	95% relative humidity, non-condensing.
Operating temperature range:	-20 - 45 °C
Output:	Current output, relays and bus communication via SC controller
Permissible Chloride range:	Max. Cl ⁻ concentration: 1000 mg/L
pH Range:	5 - 9 pH
Power requirements (Hz):	50 Hz
Power requirements (Voltage):	230 V AC, powered by Power Box or SC1000
Pressure range:	-30 - 50 mbar with continuous sample preparation; at overflow vessel
Reproducibility:	2 % + 1.0 mg/L
Response time:	< 5 min
Sample level:	Level of liquid in basin with filtration probe must be below analyzer
Sample quality:	Ultra filtrated or comparable.
Sample temperature:	4 - 40°C (39 - 104°F)
Sampling option:	two channel continuous sample from filtration unit, e.g. FILTRAX
Special Features:	Lockable housing; automatic cleaning and calibration; extensive self-diagnostics
Storage conditions:	4 - 55 °C less than 95% Relative Humidity
Warranty:	24 months
Weight:	Without sample preparation system and without chemicals: 31 kg
What's included?:	Amtax sc Ammonium Analyzer, 3 month supply of all necessary consumables at 5 minute cycle time, user manuals.

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Required Accessories

- SC1000 Probe Module, 4 Sensor Connectors, 4 mA Output, 4 Relays, 100-240 VAC, with EU plug (Item LXV400.99.2R121)
- SC1000 Display Module (Item LXV402.99.00001)