aquaMonia

Automatic analyzer for high concentrations of ammonium and/or high turbidity (A105)

ADASA

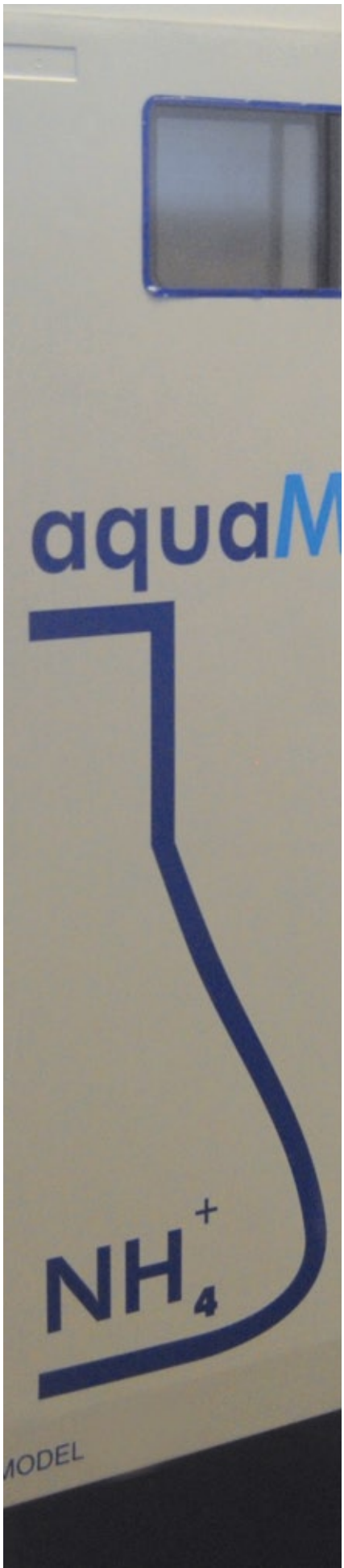
INNOVATIVE SOLUTIONS
FOR WATER & ENVIRONMENT

Ammonium in spring water is usually found at very low concentrations, with levels below 0.1 mg of NH_4^+/l. Basically, its presence is due to excretions from fluvial fauna or as a product of decomposition. Plants take it up as a source of nitrogen during their natural cycle.

The presence of ammonium at higher concentrations is usually indicative of urban or livestock sewage contamination. It could also come from seepage from fertilized soil or have an industrial origin from the rubber, food, textile or other industries, or from cooling processes.

Measuring ammonium in water is an efficient warning method to prevent toxic effects on the environment given that changes in pH and temperature can turn it into its gaseous form (NH_3), which is much more toxic than the dissolved ion (NH_4^+).

The aquaMonia A105 unit is designed for detecting high concentrations of ammonium.



CHARACTERISTICS

aquaMonia A105 is the analyser best suited for applications with high levels of turbidity and/or where ammonium levels are high, such as polluted rivers, sewage collectors, treatment intakes, etc.

It incorporates an efficient cleaning system with a low consumption of reagents, and minimal maintenance.

OPERATION

aquaMonia A105 may operate in:

Automatic mode:

The equipment performs the measurements automatically.
It includes a self-calibration system that prolongs the system's autonomy.
Data collected is sent in real time to a local or remote control centre for analysis and use.
aquaMonia A105 is continually taking measurements, which enables it to generate and send alarms to other equipment (aquaMostra sample taking) or systems (monitoring networks).

Manual mode:

The measurement process can also be carried out locally by sending commands from the equipment keyboard, or by remote control from the control centre.

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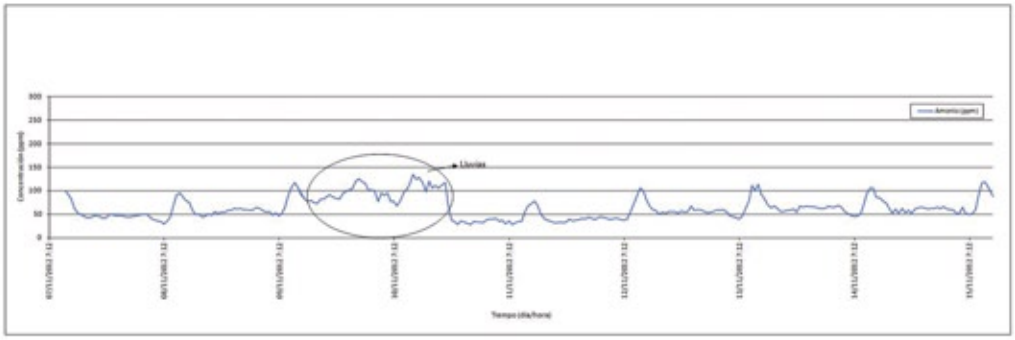
GENERAL CHARACTERISTICS

Power supply:	110 - 230 VAC/50 -60 Hz
Communications:	RS-232 , RS-485. Options: GSM/GPRS modem, Ethernet, 4-20mA
Accuracy:	<15%
Measuring ranges:	1 ... 100 ppm NH_4^+
Dimensions:	75 x 50 x 42 cm



Adasa reserves the right to modify the technical features.

ADASA

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All ADASA products are designed and manufactured according to the highest standards of quality:

ISO 9001 Quality Management
UNE 166002:2006 R&D and innovation Management
ISO 14001 Environmental Management
OHSAS 18001 Health and Safety