

## AMMONIA METER

**AK43 - AMMONIA  
TESTER**

Measuring ammonia is crucial due to its high impact on human health and on the environment. At high levels, ammonia can cause excessive growth of algae and aquatic plants, which threatens marine life and can be toxic to both humans and aquatic organisms. To mitigate these effects, it is essential to monitor ammonia in various settings. When treating drinking water, measurement ensures that levels are within safety standards, preventing risks to public health. In sewage treatment plants, ammonia measurement helps control pollution and evaluate the efficiency of the treatment process. In aquaculture, it is essential to maintain adequate conditions for the cultivation of aquatic organisms, preventing stress and reducing mortality. Furthermore, in industrial processes such as in fertilizer production and effluent treatment, ammonia measurement is necessary to ensure efficiency and adequate control of these processes.

The AK43 - Ammonia Tester offers a practical and reliable solution for measuring ammonia in different settings. With its measurement range of 0.00 to 5.00 ppm and high resolution of 0.01 ppm, it provides accurate and useful data for a variety of applications. The OLED display and interface in four languages makes for a simple and accessible operation. It is the ultimate tool to facilitate efficient monitoring and decision-making based on reliable data.

**2**

years warranty against  
manufacturing defects  
*(Already includes the legal warranty)*  
(INSTRUMENT)

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## SPECIFICATIONS

Measuring range:	0.00 to 500ppm
Resolution:	0.01ppm
Accuracy:	± 0.10ppm + 5% reading
Sample temperature:	15 to 35 °C
Sample volume:	10mL
Light source:	Light-emitting diode (LED)
Wavelength:	470nm
Measuring cell:	Glass cuvette
Operating Temperature:	0 a 50 °C
Operating humidity:	10 to 90 %RH (non-condensing)
Power:	9Vdc (1 9V battery)
Dimensions (WxHxD)	73 x 77 x 40 mm
Weight:	120g (with battery)
Method:	Adaptation to the Nessler Method

## Items included:

- 2 AK4551 glass cuvettes with lids (Ø18.8 mm x 68mm)
- 1 flannel cloth
- 1 plastic carrying case
- 1 instruction manual