

RK500-15 Ammonium ion (NH₄⁺) Sensor

The RK500-15 Ammonia Nitrogen Sensor uses an ammonium ion electrode based on PVC film to test the content of ammonium ion in water. With temperature compensation, the measurement is fast, simple and accurate. The internal reference liquid of the ammonium ion electrode exudates from the microporous salt bridge very slowly. the service life of the electrode is longer than that of the ordinary industrial electrode.

FEATURES

- Magnetic isolation technology with strong anti-interference ability
- Simple operation and high reliability
- No external module, a whole design
- 4-20mA and RS485 at the same time
- Immersion in water or pipe installation



APPLICATIONS

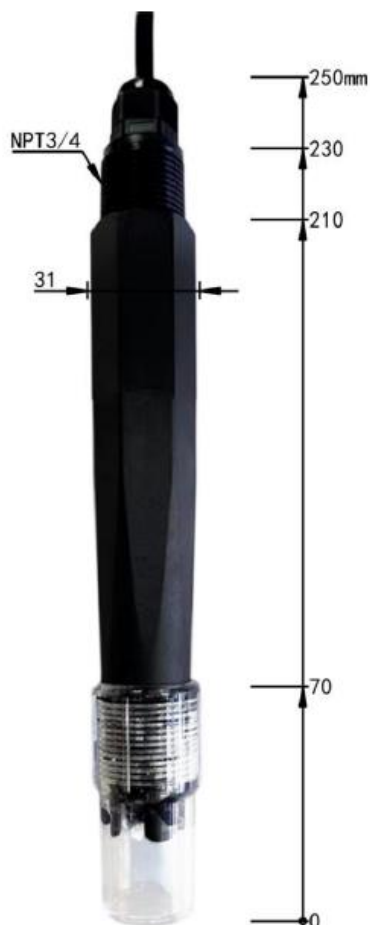
- Aquaculture
- Water quality monitoring
- Sewage treatment
- Environmental monitoring
- Dosing device

TECHNICAL SPECIFICATION

Item	Technical Specification
Range	0-10ppm,0-100ppm
Accuracy	±5%FS
Resolution	0.1mg/L
Drift	≤0.1ppm/24h
Supply	7-28VDC
Output	4-20mA@RS485(Modbus-RTU)
Pressure resistance	<0.5MPa
Response time	5s (98%,flowing liquid) ,14s (98%,stationary liquid)
Power consumption	<0.5W
Operating temperature	0-55°C
Probe material	ABS
Ingress protection	IP68
Cable length	5m default, other length optional
Storage	10-60°C@20%-90%RH

DIMENSION

Unit:mm



Complies with applicable CE directives.

Specifications subject to change without notice. Version 2.0

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