



DropletSens™ Ammonium Probe Specifications

- Based on established Berthelot test & indophenol chemistry
- Total Ammonia Nitrogen determined autonomously via pH mediated conversion of dissolved ammonium into ammonia
 - Fully quantitative without drift
 - On-device standard for performance QC



Analytical

Range	0 - 2 mg/L NH ₃ -N (LOW) 0 - 30 mg/L NH ₃ -N (HIGH)
Detection Limit	0.03 mg/L NH ₃ -N (LOW) 0.3 mg/L NH ₃ -N (HIGH)
Measurement Frequency	up to every 10 seconds default setting is every 15 min

Operational

Temperature range	0 - 35 °C
Maximum deployment depth	1 m
Power consumption*	1.5 W
* for continuous use measuring every 15 min	

Physical

Height	400 mm
Diameter	150 mm
Weight	8.2 kg

Communications

Connectivity	RS232/RS485, Modbus, Bluetooth SCADA compatible
Data output	Remote streaming

Maintenance

- Reagent change after 3 months if in continuous use
- Required inlet filter change frequency depends on application; typically 3 months for environmental applications (turbidity ≤250 NTU)