

AN-ISE sc Combination Sensor for Ammonia and Nitrate



Two-in-one low maintenance sensor measures both ammonia and nitrate at the same time.

Combination Sensor for Ammonium and Nitrate

This combination sensor has the ability to measure Ammonia and Nitrate at the same time, eliminating the need for multiple sensors.

No Reagents or Sample Preparation

This sensor utilizes ion selective electrode (ISE) technology. It is designed for immersion directly in aeration basins eliminating the need for reagents and sample preparation. The sensor can be easily installed outdoors without additional housings, so it is easy to relocate to various locations.

Compensated for Significant Interferences

The sensor compensates for the most common interferences with integrated potassium and chloride electrodes within the cartridge. The compensation allows the sensor to provide accurate and reliable results.

Easy to Maintain Sensor Cartridge

The Cartrical cartridge eliminates handling and adjustment of individual electrodes because it contains four electrodes that are factory calibrated to each other. Cartridge replacement is simple: unscrew the old cartridge, plug in the new one, and the sensor is ready for measurement. The factory calibration is automatically identified after replacing the cartridge by using RFID technology.

Energy Cost Savings

The AN-ISE sc sensor can be used to optimize Nitrogen removal to facilitate reduced costs. Whether you are monitoring in a Sequencing Batch Reactor (SBR) or in a Nitrification/Denitrification process, the sensor provides visibility to real-time Ammonia and Nitrate levels, allowing you to run the blowers when needed and save energy costs.

Order Information

AN-ISE sc Sensors

- LXV440.99.00002** AN-ISE sc Low Cost ISE Combination Sensor for Ammonia and Nitrate (immersion) with RFID, 10 m cable
- LXV440.99.00012** AN-ISE sc Low Cost ISE Combination Sensor for Ammonia and Nitrate (immersion) without RFID, 10 m cable

Please note: A digital Hach SC controller is required to operate the AN-ISE sc sensor, controller is sold separately.

Mounting Hardware

- LZY714.99.32320** Pole mounting hardware AN-ISE sc/A-ISE sc/N-ISE sc, 24 cm bracket, SS pole 2 m
- 6184900** Rail Mount Kit
- LZX914.99.12400** Chain Mount Kit (PVC) for ISE sensors

Cartridge

- LZY694** Cartrical Sensor Cartridge for AN-ISE sc/A-ISE sc/N-ISE sc Sensors

Standards and Accessories

- LCW895** Test Solution 1 for AN-ISE sc/A-ISE sc/N-ISE sc Sensors, 2 L
- LCW896** Test Solution 2 for AN-ISE sc/A-ISE sc/N-ISE sc Sensors, 2 L
- LZY720** Test Cartridge for AN-ISE sc/A-ISE sc/N-ISE sc
- LZY771** Sedimeter for AN-ISE sc/A-ISE sc/N-ISE sc
- LZY706** Cleaning Unit for AN-ISE sc/A-ISE sc/N-ISE sc Sensors
- 6860000** High Output Air Blast Cleaning System, 115 VAC

Part numbers may vary by country.

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