

NX260 Turbidity Sensor

A turbidity sensor shall be provided to monitor the water quality in (Specify Location).

The turbidity sensor shall measure turbidity with a Nephelometric type probe capable of measuring turbidity from 0-1000 FNU.

The turbidity sensor shall have an accuracy of +/- 5% of reading or 0.3 FNU (whichever is greater) in Formazin turbidity standards with a display resolution of 0.01 FNU.

The turbidity sensor shall have a response time of 15 seconds from power up and a refresh rate of 2 seconds.

The turbidity sensor shall provide antifouling protection through the use of an integrated motorized wiper that removes fouling from the sensor window on power up and on command.

The turbidity sensor shall be constructed with a titanium body and wet-mateable connector for reliable operation in fresh, brackish, or seawater.

The turbidity sensor shall be fully waterproof for long-term deployment at depths up to 100 ft. (30m).

The turbidity sensor shall be “smart” and store all calibration data internally. Sensors shall be field-swappable without the need for recalibration.

The turbidity sensor shall support calibration by the end user via USB cable adapter and free Windows PC software.

The turbidity sensor shall transmit data using an industry-standard RS-485 Modbus RTU communication protocol.

The turbidity sensor shall support SDI-12 data output through the use of an optional waterproof cable adapter.

The turbidity sensor shall offer mooring accessories for attachment to a 3/16” vinyl-coated stainless steel mooring line.

The turbidity sensor shall be Model NX260 as manufactured by NexSens Technology, Inc. or approved equal.