

WQ750 Self-Cleaning Turbidity Sensor

Submersible Turbidity Sensor with Analog Output



Description

The WQ750 Self-Cleaning Turbidity Sensor is an excellent choice for turbidity measurements in applications involving surface water, wastewater effluent, raw source water, industrial discharge, and aquaculture.

The heavy-duty WQ750 is constructed of 316 stainless steel with scratch-resistant quartz optical lenses to provide a long, dependable service life. The unit ships complete with 42 feet of cable and a wiper actuation board.

Reliable Sensing and Transmittal

The WQ750 uses a reliable optical sensing system, which produces an analog signal that is enhanced by on-board temperature and ambient light processing. This robust 4-20 mA analog signal is compatible with a host of monitoring and control

systems, and it may be transmitted up 650 feet. The WQ750 is compatible with our PC300 process controller and GL500 dataloggers.

Innovative Self-Cleaning

The WQ750 maintains its accurate and reliable measurements via a mechanical cleaning device that prevents contamination of the measuring windows. The wiper cycle is controlled by an external contact and allows the WQ750 to match the cleaning cycle to the application. The control board is designed to work with our Global Water GL500 dataloggers.

Features

- Reliable optical measuring process
- Built in wiper to keep sensing surfaces clean
- Directly submersible into basins, channels or open water
- Isolated 4-20 mA output
- Rugged stainless steel sensor body

Applications

Ideal for monitoring water quality in lakes, rivers, streams, plant effluent, wastewater recycling and discharge, and aquaculture applications.

Specifications

Measuring Principle	90° scattered light with pulsed infrared light
Wavelength	880 nm
Measuring Range	1 to 1000 FNU
Power Requirement	10 to 24 VDC, max 3W
Analog Output	4–20 mA, isolated
Signal Filter	10 sec
Control Signal for Wiper	Pulse duration 5 sec / 0 V
Temperature Range	32 to 122 °F (0 to +50 °C)
Operating Pressure Maximum	87 psi (200' of water)
Sensor Body	316 stainless steel
Optical Windows	Quartz glass
Cable	42' (13 m), submersible, 6-wire w/shield
Dimensions	1.5" dia. x 5.75" long (38 mm dia. x 146 mm long)
Weight	2 lbs (0.9 kg)

Ordering & Options

Order No.	Description
WQ750	Turbidity Sensor (with 42' cable & wiper control)

Please call us for calibration standards.



Global Water
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