

WQ770-b Turbidity Meter

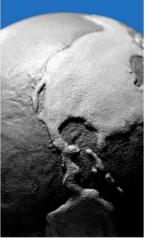


Description

The Global Turbidity Meter is a highly accurate device with a fully submersible sensor for in-situ environmental or process monitoring. The meter is provided with a padded carrying case and 25' of marine grade cable, with lengths up to 100' available upon request.

Method:

Contact Global Water for all your instrumentation needs: Water Level Water Flow Water Samplers Water Quality Weather Remote Monitoring Control



In accordance with USEPA Method 180.1 for turbidity measurement the sensor is a 90 degree scatter nephelometer where a focused beam is directed into the monitored water. The light beam reflects off particles in the water, and the resultant light intensity is measured by a photodetector positioned at 90 degrees to the light beam. The detected light intensity is directly proportional to the turbidity of the water. The WQ770 sensor utilizes a second light detector to correct for light intensity variations, color changes, and minor lens fouling.

Calibration:

All turbidity meters are factory calibrated to the highest standards and should not need recalibration for 6-12 months. User calibration, when required, is very easy using the step-by-step scaling process within the display unit.

- Portable unit with completely submersible sensor
- Simple and convenient to use
- Marine grade cable with strain relief
- Rugged anodized aluminum sensor housing

Applications

Applications include; water quality testing and management, river monitoring, stream measurement, reservoir water quality testing, groundwater measuring, water and wastewater treatment, effluent, and industrial control.

For environmental monitoring, the sensor is placed directly into a river or lake, and positioned where the turbidity is to be monitored.

Specifications

Range: 0-50 NTU and 0-1000 NTU Accuracy: <u>+</u>1 % of full scale Resolution: 12 bit Method: Nephelometer with correction Power: Internal 9VDC battery Warm-up Time: 3 seconds minimum Operating Temperature: 32 to 122°F (0 to +50°C) Materials: 306 sainless steel, delrin, Sapphire optical windows, Polyurethane jacketed cable. Pressure: 30 psi max. Light Source: pulsed LED (880nm) Cable Length: Meter=25' standard (optional to 100') Sensor Size: Body= 1 1/2"D x 8.5"L Sensor Shield= 1 1/2" x 2" Overall Length: 9" Weight: 2 lbs.

Options and Accessories

WQ770-b Turbidity Meter

Includes sensor on 25' cable standard.

WQEXC Extra Cable

Cable length is measured from end of cable to bottom of sensor. After 25', up to 100' $\,$



In the U.S. call toll free at 1-800-876-1172 International: 1-979-690-5560 Fax: 1-979-690-0440 Email: globalw@globalw.com Visit our online catalog at: www.globalw.com Our Address: 11390 Amalgam Way Gold River, CA 95670