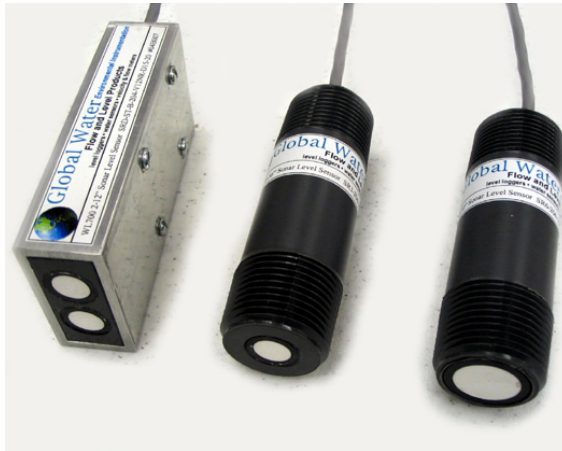


# WL700 Ultrasonic Level Sensor

Non-Contact Water Level Measurement



- Non-Contact Measurement
- Rugged and Fully Encapsulated
- 4-20 ma Transmitter
- Easy Installation/No Programming
- Cost Effective
- Great for Wastewater
- Great for Flumes and Weirs
- Temperature Compensated
- Three Ranges: 1', 3', and 6'
- For Monitoring Water Level and Open Channel Flow

## Description

The WL700 uses the latest ultrasonic distance measuring technology for accurate non-contact water level monitoring. The fully encapsulated sensor/transmitter is temperature compensated and provides an industry standard 4-20 MA output. There are three ranges available including 1', 3' and 6' to meet a wide variety of applications. The unique 1' range sensor is ideal for measuring flow in small flumes and weirs. The 3' and 6' ranges are best for measuring river, lake and tank levels and for measuring open channel flow in larger flumes. Installation is simple and requires no programming or calibration. No maintenance is required.

The WL700 Ultrasonic Level Sensor is rugged, reliable and completely weatherproof. It is ideal for sewer or wastewater applications. The sensor is easy to mount, comes with a 10' cable and complete instructions. It is easy to interface to all PLC's, SCADA and telemetry systems with its simple 3-wire 4-20 MA output. The WL700 is compatible and provided optionally with the Global Water FC200 Open Channel Flow Monitor and the PC300 Process Controller (for water level control).

## Specifications

*Ranges:* 0.2' to 1'; 0.4' to 3'; 0.8' to 6'; and 1.5' to 35'

*Input:* 18 to 30 VDC

*Current Draw:* 100 ma

*Output:* 4-20 ma (4 ma is minimum water level and 20 ma is maximum water level)

*Averaging:* 15 second running average (to smooth out water turbulence).

*Warm Up Time:* 15 seconds

*Resolution:* Continuous Analog

*Operating Temperature Range:* -40° to 185°F (-40° to 85°C) (1, 3, and 6 ft range); -40° to +145°F (-40° to 62°C) (35 ft range only)

*Temperature Compensated Range:* -20F to 120F

*Accuracy:* ±1.0% of Range, ±2.0% of 35 ft Range

*Dimensions:*

1x2x4 inches (2.5 x 5.1 x 10.2 cm) rectangular (1 ft range)

1 inch id pipe thread x 4 inches long (2.5 cm ID x 10.2 cm long) (3 ft and 6 ft range)

2-1/2 inches id pipe thread x 4 inches long (6.3 cm ID x 10.2 cm long) (35 ft range)

*Material:* Extruded Aluminum (1' range), PVC (3', 6' and 35' range)

*Weight:* 1.5 Lbs

## Options and Accessories

**WL700** Ultrasonic Water Level Sensor

Includes 10' cable. Specify Water Level Range: 1', 3', 6'.

**WL700-035** 35' Ultrasonic Water Level Sensor

Includes 10' cable.

**WEXC** Extra Cable

Up to 500'

Contact  
Global Water  
for all your  
instrumentation  
needs:

Water Level

Water Flow

Water Samplers

Water Quality

Weather

Remote Monitoring

Control



**Global Water**  
The Leader in Water Instrumentation

In the U.S. call toll free

at 1-800-876-1172

International: 916-638-3429

Fax: 916-638-3270

Email: [globalw@globalw.com](mailto:globalw@globalw.com)

Visit our online catalog at:

[www.globalw.com](http://www.globalw.com)

Our Address:

11390 Amalgam Way  
Gold River, CA 95670