

# WL750 Ultrasonic Level Transmitters

Continuous Ultrasonic Level Measurement



- Integrated display and user interface
- Compact chemical resistant body
- User adjustable limits and alarm points
- Scaleable 4-20mA signal output

## Description

The WL750 Ultrasonic Level Transmitter is perfect for short range, non-contact tank level measurements for a variety of liquids and solids. With its narrow 8 degree beam angle and slim 1.38" (35mm) chemical-resistant process end, the WL750 is designed for accurate level measurements even in relatively small tanks. Purchase of the WL750 includes a 3-bolt 2" flange for use in secure mounting.

### Capable Data Display and Transmitter

The WL750 includes an integrated LCD display, user interface, and transmitter unit that provides a local level readout and the ability to send a scaleable, 4-20mA signal to another device. The display/transmitter also features user-programmable settings and an LED alarm light. The WL750's optional power and signal cable assemblies connect to the display unit with a molded on, locking 5-pin plug.

### Flexible Power and Signal Cable Options

You can select an optional power and signal cable assembly that will connect to the WL750 display's 5-pin plug. Choose from 16 ft (5m) (Option WL750-CBL-5) or 33 ft (10m) (Option WL750-CBL-10) cable assemblies. If you would like to create your own longer cable runs, you can simply purchase the unit with just the 5-pin plug. The WL750 will work with up to 3,000 feet of the appropriate signal cable. Please note, either a cable assembly or 5-pin plug is required to use the WL750.

## Specifications

### Electronics

*Supply Voltage:* 18 to 30 VDC

*Power Consumption:* < 3 Watts

*Output:* 4-20 mA, 2-10 V across 500 Ohm resistor to 0 V

*Switching Values (S1 and S2):* PNP or NPN selectable; 300 mA max load

*Hysteresis:* Adjustable; position depends on min. or max. setting

*Display:* Graphical LCD display; back-lit LED signaling lamp

*Connection:* M 12x1; 5-pole locking plug

### Operational

*Beam Angle:* 8 degrees

*Accuracy:* ±0.2% full scale

*Linearity Error:* < 0.3% full scale

*Temperature Error:* 0.03% °C

*Operating Temperature:* 0°C to 70°C (32°F to 158°F)

*Operating Pressure:* Ambient

### Environmental

*Approval:* IP67, CE

### Mechanical

*Wetted Materials:* PET 30% GV, epoxy resin

*Housing Materials:* Stainless steel, tempered glass

*Mounting:* 3-bolt flange with set screw for adjustment

*Weight:* 0.8Lbs (363g)

*Dimensions:* 4" (10cm) diameter x 8.5" (21.6cm) long

## Options and Accessories

### WL750-4 Ultrasonic Level Transmitter

0.66 Ft to 4.3 Ft. NOTE: A cable assembly or 5-pin plug is a required item.

### WL750-8 Ultrasonic Level Transmitter

0.98 Ft to 7.5 Ft. NOTE: A cable assembly or 5-pin plug is a required item.

### WL750-CBL-2 6-1/2 FT (2m) Cable & Connector

### WL750-CBL-5 16 FT (5m) Cable & Connector

### WL750-PLG 5-Pin Locking Plug (no cable)

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