

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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