# LT330 SERIES

## ULTRASONIC LEVEL TRANSMITTER

### Economical ultrasonic level transmitter combines easy installation with high accuracy.

**FLOMOTION** SYSTEMS

*Constructed of corrosion resistant polypropylene, the unique twist-on collar makes installation and removal a breeze.*

## DESCRIPTION

The LT330 Series is designed to measure liquid level in a wide variety of applications.

The compact, loop-powered LT330 provides continuous, non-contacting level measurement. Up to 33ft (10m) range.

The large LCD display, 4 status lights and 5 button keypad make setup and operation quick and easy.

## FLUIDS

- Acids
- Bases
- Wastewater
- Juices
- Pastes
- Slurries
- Water
- Dyes
- Glue
- Sludge
- River Water
- Paper Stock
- Wine

## LT330 FEATURES

- 33ft (10m) range
- Accuracy of 0.2% with 1mm resolution
- Easy to install 2" NPT fitting
- Loop powered 4-20mA (max 750 Ω)
- 5 digit numeric LCD display
- Integral 5 button keypad
- 4 status lights
- Built-in temperature compensation sensor

## APPLICATIONS

- Bulk Chemical Storage
- Pump Stations
- Clarifiers
- Filtration Levels
- River Level Monitoring
- Trash Rack Level Monitoring
- Waste Sump
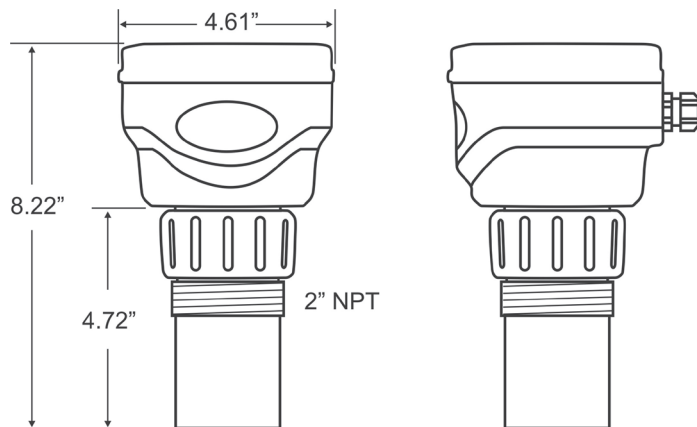- Tanker Truck Filling
- Water Storage Towers
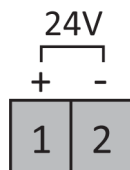- Reactors

ULTRASONIC LEVEL

# LT330 SERIES ENGINEERING SPECIFICATIONS

| | |
|---|---|
| **Dimensions:** | 4.61in D x 8.22in H (117mm D×208mm H) |
| **Process Connection:** | 2" NPT |
| **Weight (nominal):** | 3.3 lbs (1.5Kg) |
| **Sensor Material:** | Polypropylene |
| **Protection Rating:** | NEMA 6 (IP67) |
| **Temperature:** | -4° to 185°F (-20° to 85°C) |
| **Pressure:** | Up to 29 psi (2 Bar) |
| **Maximum Range:** | 33ft (10m) |
| **Accuracy:** | 0.2% of measured range |
| **Resolution:** | 0.039" (1mm) |
| **Beam Angle:** | 8° at -3dB (from the Axis) |
| **Damping Rate:** | 0.006 to 5.48 fps (adjustable) (0.1m/min to 100m/min) |
| **Temp. Compensation:** | Built-in temperature sensor |
| **Analog Output:** | 4-20mA into max 750Ω load. 3.8mA or 21mA Fault alarm. |
| **Display:** | 5 Digit Numeric LCD, 4 status LEDs |
| **Power Supply:** | 18 - 30VDC at less than 21mA |
| **Certification:** | CE |

## DIMENSIONS

4.61"

8.22"

4.72"

2" NPT

## WIRING

24V

+   -

1   2

- V+ (1) : Direct current (DC) input terminal (18-30VDC)
- IO (2) : Current Output terminal (4-20mA)

**FLOMOTION SYSTEMS**