

WL430 Sewage Lift Station Wastewater Level Sensor

Submersible Wastewater Level Sensor



- UL listed
- Flush clog-free sensor; 316L SST
- Enhanced internal surge and lightning protection
- 2.5 inch sensing diaphragm
- Vented cable for automatic barometric compensation
- Double-sealed submersible cable exit
- Corrosion resistant

Specifications

ELECTRICAL

Supply Voltage: 8 - 38 Vdc

Output: 4–20 mAdc

Resolution: Infinite (±0.001% FSO usable)

Response Time: < 5mS

Warm-Up: < 10 mS

Lightning Protected: MOV and dual gas discharge tube

PERFORMANCE

Static Accuracy: ± 0.5% FSO (BFSL, RSS repeatability)

Repeatability: ± 0.1% FSO

Temperature Effects: ± 1.5% FSO over comp range

Long Term Stability: ± 0.25% FSO per year

MECHANICAL

Pressure Ranges: 10psi (23 ft) or 15psi (34 ft)

Proof Pressure: 2x Full Scale

Burst pressure: 5x Full Scale

Materials: 316L SST plus cable

Electrical Connector: ½ inch-NPT Male submersible conduit fitting with 40ft of polyurethane cable

Dimensions: 6 inch long x 3 inch diameter

Weight: Nominal 20 oz

Compensated Temp Range: 20 to 170°F

Operating Temp Range: 0 to 200°F

Options and Accessories

WL430-023 Sewage lift station wastewater level sensor
Includes 40 ft of cable

WL430-034 Sewage lift station wastewater level sensor
Includes 40 ft of cable

Description

Global Water's Sewage Lift Station Wastewater Level Sensor (WL430) is based on over 30 years of design and field service heritage.

The Sewage Lift Station Wastewater Level Sensor's "Steelcage" design offers the highest reliability in level measurement for severe high solids environments such as sewage, lift stations, storm canals, wet wells, and slurry tanks. The wastewater level transmitter consists of a submersible pressure sensing element cased in a 316L SST housing. The lift station sensor's electronics are capable of withstanding lightning strikes and meet RCTA/DO 160D for lightning direct effects and surge protection for FAA and MIL-STD test and NASA standard electrical surge requirements.

The WL430 Sewage Lift Station Wastewater Level Sensor is supplied with 40 ft. of standard polyurethane shielded and vented cable. The lift station wastewater level transmitter's unique cable venting system allows for barometric pressure differential compensation while keeping the elements out, using a Gortex filter encapsulated tip. The "Steelcage" design gives full protection and allows sensing to sewage levels no matter how much debris/mud/sand or rags build up.

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Our Address:

11390 Amalgam Way

Gold River, CA 95670