

## WL430 Sewage Lift Station Wastewater Level Sensor

### Submersible Wastewater Level Sensor



- UL listed
- Flush clog-free sensor; 316L SST
- Lifetime warranty against lightning strikes
- $\pm 0.5\%$  FSO Static Accuracy
- Vented cable for automatic barometric compensation
- Double-sealed submersible cable exit;
- 4-20mA output

### Description

Global Water's Sewage Lift Station Wastewater Level Sensor (WL430) is based on over 30 years of design and field service heritage, and comes with EXCLUSIVE LIFETIME WARRANTY against lightning strikes.

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 system consists of a submersible pressure sensing element cased in a 316L SST housing. The lift station wastewater level 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.

### Specifications

#### ELECTRICAL

*Excitation:* 8 - 38 Vdc

*Output:* 4-20 mAdc

*Resolution:* Infinite ( $\pm 0.001\%$  FSO usable)

*Response Time:* < 5mS

*Warm-Up:* < 10 mS

*Lightning Protected:* MOV and dual gas discharge tube • Life Lightning protection warranty

#### PERFORMANCE

*Static Accuracy:*  $\pm 0.5\%$  FSO (BFSL, RSS repeatability)

*Repeatability:*  $\pm 0.1\%$  FSO

*Temperature Effects:*  $\pm 1.5\%$  FSO over comp range

*Long Term Stability:*  $\pm 0.25\%$  FSO per year

#### MECHANICAL

*Pressure Ranges:* 10psi (23') or 15psi (34')

*Proof Pressure:* 2x Full Scale

*Burst pressure:* 5x Full Scale

*Materials:* 316L SST plus cable

*Electrical Connector:* 1/2"-NPT Male submersible

conduit fitting with 40ft of polyurethane cable

*Dimensions:* 6" long x 3" 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' of cable

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

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