Standard Features:

- UL listed
- Flush clog-free sensor; 316L SST
- Enhanced internal surge and lightning protection
- ± 0.5% FSO Static Accuracy
- 40 ft. polyurethane cable, vented and shielded
- Double-sealed submersible cable exit;
- 200 lb. tensile strength

TECHNICAL SPECIFICATIONS

PERFORMANCE

Static Accuracy: ± 0.5% FSO (BFSL, RSS) (combined effects of non-linearity, hysteresis & repeatability)
Repeatability: ± 0.1% FSO
Temperature Effects: ± 1.5% FSO over comp range (combined effects of Zero & FSO with reference at 70°F)
Long Term Stability: ± 0.25% FSO per year

MECHANICAL

Pressure Range: 0-10 psi, 0-15 psi
Proof Pressure: 2x Full Scale
Burst pressure: 5x Full Scale
Materials: 316L SST plus cable
Pressure Port: Flush mount per outline
Electrical Connector: 1/2”-NPT Male submersible conduit fitting with 40ft of polyurethane cable
Dimensions: Per outline
Weight: Nominal 20 oz
Compensated Temp Range: 20 to 170°F
Operating Temp Range: 0 to 200°F

ELECTRICAL

Excitation: 8 - 38 Vdc
Output: 1 - 5 Vdc or 4–20 mAdc
Zero Balance: ± 1% FSO
FSO Setting: ± 1% FSO
Resolution: Infinite (±.001% FSO)
Response Time: < 5mS
Insulation Resistance: 1000 MO @ 50 Vdc
Reverse Polarity: Protected
Warm-Up: < 10 mS
Power Supply Effect: ± .002% FSO per V input
EMI/RFI: Internal Filtering
Lightning Protected: MOV and dual gas discharge tube
Short Circuit Protected: Up to 40 Vdc

<table>
<thead>
<tr>
<th>Pressure Psig</th>
<th>Level In. of Water</th>
<th>Level Ft. of Water</th>
<th>Max. Pressure Psig</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-10 psi</td>
<td>276.8</td>
<td>23</td>
<td>20 psi</td>
</tr>
<tr>
<td>0-15 psi</td>
<td>415.2</td>
<td>34.6</td>
<td>30 psi</td>
</tr>
</tbody>
</table>
Installation Procedures:

The STEELCAGE assembly can be lowered and placed directly on the floor of the wet well/lift station. No stilling well is necessary. The cable should be routed into the logger or control panel for connection. The assembly does not need to be suspended; it can be placed directly on the wet well floor. The cable should be snug with minimal slack to prevent the assembly from “traveling” about in any turbulence in the wet well. Any excess cable can be coiled with a tie wrap and hung on the wall. This will work fine as long as there is no sharp bend in the cable that could cause it to kink.

DO NOT kink the cable, as this will cause blockage to the breather tube inside.

Electrical Installation:

There are two wires, a vent tube and ground inside the cable.

TURN OFF POWER BEFORE CONNECTING THE WIRES!

1. Connect the ground wire first (shield to earth ground to appropriate controller ground).

2. Then connect the red wire to a 13-30 VDC (24 VDC nominal) power supply. Note: An external power supply with a minimum current capability of 40 mA per transmitter, is required.

3. Connect the black lead to the 4-20mA input on the logger or other equipment that will be monitoring the sensor.