WL400 Submersible Pressure Transducers

The WL400 submersible pressure transducers is with minimal maintenance and specifically designed to meet the rigorous environments encountered in liquid level measurement and control.
It monitors levels in groundwater wells, rivers, streams, tanks, lift stations and open channels, also, it can be configured to perform to specifications under the most adverse, reactive conditions.

The WL400 water submersible pressure transducer utilizes a stainless steel micro-screen cap to protect the sensing element. This protective cap has hundreds of openings, making fouling the sensor with silt, mud or sludge virtually impossible. The WL400 transducers have a two-wire 4 – 20 mA output signal that is linear with water depth. 10 – 36 VDC is required to operate the depth level sensor, so the WL400 transducer can be operated from 12 VDC battery systems. The 4 – 20 mA signal may be converted to 0.4 to 2.0 VDC by dropping the current signal across a 100 Ohm resistor.

Features:

- High static accuracy & reliability
- Welded 304L stainless steel and micro screen
- Compact and rugged design
- Sensor compatible with most monitoring equipment
- Vented cable for automatic barometric compensation
- Dynamic temperature compensation
- Multiple ranges available from 0 – 15’ and others

Technical Specifications:

Pressure Ranges: 0–15’ (others: 0–30’, 0-60’,...)
Overpressure: 2.0 * Full scale range
Warm Up Time: 10 mS minimum
Resolution: Infinitesimal
Housing Material: 304L Stainless Steel
Power Requirement: 10 – 36 VDC
Cable Length: 7.5M or 15M or 30M standard

Burst Pressure: 10 * Full scale range
Accuracy: ±0.1% of F.S. at constant temp., ±0.2% over 35°F to 70°F
Compensated Temp. Range: 30°F to 70°F, w/automatic barometric pressure compensation
Output: 4 – 20 mA (or 0.4 to 2.0 VDC output)