Measure more with less.

5-IN-1 Measurement - Measure four process variables along with a HI level switch from a single tank opening. Level Plus® liquid level transmitters provide the ability to measure product level, interface level, multiple point temperature and volume in a process from a single level transmitter. The new LevelLimit® transmitter goes a step further and adds an electrically isolated HI level switch for overfill protection. No other level transmitter can do so much so accurately. Save Time and Money and Headaches, choose MTS.

Level Plus®
Magnetostrictive Liquid Level Transmitters
with Temposonics® Technology

SENSE SELECTOR GUIDE
Level

HI Level Switch
Product Level
Interface Level
Temperature
Volume Output

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MTS Sensors is recognized as an industry leader in sensing technologies and solutions. These sensors permit high-precision and dynamic position and/or speed measurement to create self-contained automation and safety-relevant applications.

With a versatile and ever increasing product portfolio, MTS Sensors cooperates closely with customers, to optimize performance and reduce downtime. Outstanding expertise assisted with practical lesson-learn scenarios that customers already achieved productivity and success. Continuous research, development, and innovation enable the company to remain the technology leader for measuring tasks in the industrial, mobile hydraulic and as well as process technology fields to its created.

MTS Sensors is a division of MTS Systems Corporation (NASDAQ:MTSC). In July 2016, MTS Systems Corporation (Elk Grove Village, USA) purchased Piezotronics Inc. (Depew, USA). The acquisition will continue MTS’ and PCB Piezotronics Inc. long history of growth. Our customers benefit from an extended, complementary product portfolio, while relying on the unceasing competence and diligence of our support team. MTS Sensors has 1000 employees worldwide who serve our global customers with a focus on superior regional support.

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MEASURING TECHNOLOGY

The liquid level transmitters provided by MTS Sensors rely on the company’s proprietary Temposonics® magnetostrictive technology, which can determine position with a high level of precision and robustness. Each Level Plus® liquid level transmitter consists of a ferromagnetic waveguide, a float, a strain pulse converter and supporting electronics. The magnetic fields releases a torsional strain pulse that propagates the waveguide. This creates a momentary radial magnetic field and torsional strain on the waveguide. The momentary interaction of the magnetic fields releases a torsional strain pulse that propagates the waveguide. When the ultrasonic wave reaches the end of the waveguide it is converted into an electrical signal. Since the speed of the ultrasonic wave in the waveguide is precisely known, the time required to receive the return signal can be converted into a liquid level measurement with high high accuracy and repeatability.

The Temposonics® technology, based on magnetostriction and is not exposed to mechanical stress. Therefore, the sensors exhibit remarkable immunity to mechanical shocks, a high degree of radial magnetic field sensitivity and a high level of noise immunity. Furthermore, since the sensor is not exposed to mechanical stress, it is also not affected by changes in temperature.

COMPANY

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APPLICATIONS

- Tank SLAYER® - Bulk Storage Tanks
- LevelLimit® - Oil Lease Tanks
- RefineME® - Reactors
- SoClean® - Scrap/Slag Tanks - Resistive Tanks
- SX Pools - Chilled Tanks
- SoClean® - LP Tanks
- CHAMBERED - Magnetic Level Gauge

FEATURES

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MARKETS

- Oil and Gas
- Chemical
- Specialty Chemical
- LPG
- Pharmaceutical
- Food and Beverage
- Mining
- Marine

CERTIFICATES

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<tr>
<th>Switch</th>
<th>24000 mm (866 in.)</th>
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FEATURES

- 5-IN-1 Measurement - Product Level - Interface Level - Temperature - Volume - Oil Lease Switch
- Multi-point Temperature
- D-Level Switch
- Integral Display with Through Glass Programming
- Integral Accuracy ±1 mm
- Custom Display with Through Glass Programming
- 320 point strapping table
- Local temperature correction
- Field Reparability

MTS Sensing Technologies

- Field Repairable
- API Temperature Corrected Volume
- 200 point strapping table
- Integral Display with Through Glass Programming
- Integral Accuracy ±1 mm
- Custom Display with Through Glass Programming
- 320 point strapping table
- Local temperature correction
- Field Reparability

APPLICATIONS

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