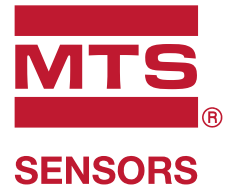


Level Plus®

Magnetostrictive Liquid Level Transmitters
with Temposonics® Technology



Tank SLAYER® Product Brief

- ▶ **No scheduled maintenance or recalibration**
- ▶ **Inherent accuracy ± 1 mm**
- ▶ **Hazardous area certified**



The Level Plus® Tank Slayer® liquid level transmitter is designed for use in industrial environments for bulk storage inventory monitoring and has a proven track record of over 20 years of happy customers in the oil & gas, chemical, and various other industries.

The key to the success of the Tank Slayer® level transmitter is its 4-in-1 measurement capability of providing product level, interface level, temperature, and volume from a single process opening. The Tank Slayer® level transmitter can provide all of these measurements through harsh process conditions including turbulence, foam, misting, and gas layering. MTS has replaced inferior ultrasonic and guided wave radar sensors that were not able to function correctly in the harsh environment or that were not able to provide the specified accuracy. MTS tests 100% of our level transmitters and guarantees the inherent accuracy of ± 1 mm on both the product level and interface level.

The Tank Slayer® comes with a flexible level transmitter that is made of stainless steel corrugation and stainless steel over braid. The result of this design is a safe industrial strength flexible hose that does not break on contact. Competitors have tried to use plastic flexible hoses that are not industrial strength and create a risk of static electricity. The Tank Slayer® design is strong, safe, and proven with thousands of units in the field for over 20 years.

Once the Tank Slayer® level transmitter is installed and calibrated there is no requirement scheduled maintenance or recalibration.

Set it and forget it!

MORE FEATURES

- 4-in-1 measurement
 - Product level
 - Interface level
 - Temperature
 - Volume
- Integral display with tough glass programming
- 200 point strap table
- API temperature corrected volumes
- No scheduled maintenance or recalibration
- Field repairable

TYPICAL APPLICATIONS

- Inventory control
- Bulk storage
- Custody transfer

MARKETS

- Petroleum and Petrochemical
- LPG terminals
- Food and Beverage

REGULATORY COMPLIANCE

- Intrinsically safe
- Explosion proof / Flameproof
- API 3.1B
- API 7.3
- API 18.2
- SIL2

TECHNICAL DATA

Output	
Output signal / Protocol	Analog (4...20mA), HART®, Modbus RTU, DDA
Measured value	Product level, interface level and temperature
Measurement parameters	
Inherent accuracy	±1 mm (±0.039 in.)
Repeatability	0.001 % F.S. or 0.381 mm (0.015 in.) ¹ (any direction)
Operating conditions	
Operating temperature	Electronics: -40 ...71 °C (-40...160 °F) Sensing element: -40...125 °C (-40...257 °F) ² Temperature element: -40...105 °C (-40...221 °F)
Design / Material	
Wetted parts	Stainless steel (AISI 316L) ³
Non-wetted parts	Stainless steel (AISI 316L), epoxy coated aluminum
Order length	Flexible hose: 1575...22000 mm (62...866 in.) ^{4,5}
Vessel pressure	Flexible hose: 30 bar (435 psi)
Electrical connection	
Operating voltage	10.5...28 VDC

- 1 Whichever is greater
 2 Contact factory for specific temperature ranges
 3 Contact factory for alternative materials
 4 Contact factory for longer lengths
 5 Order length equals the measurement range plus the inactive zone

TECHNICAL DRAWING

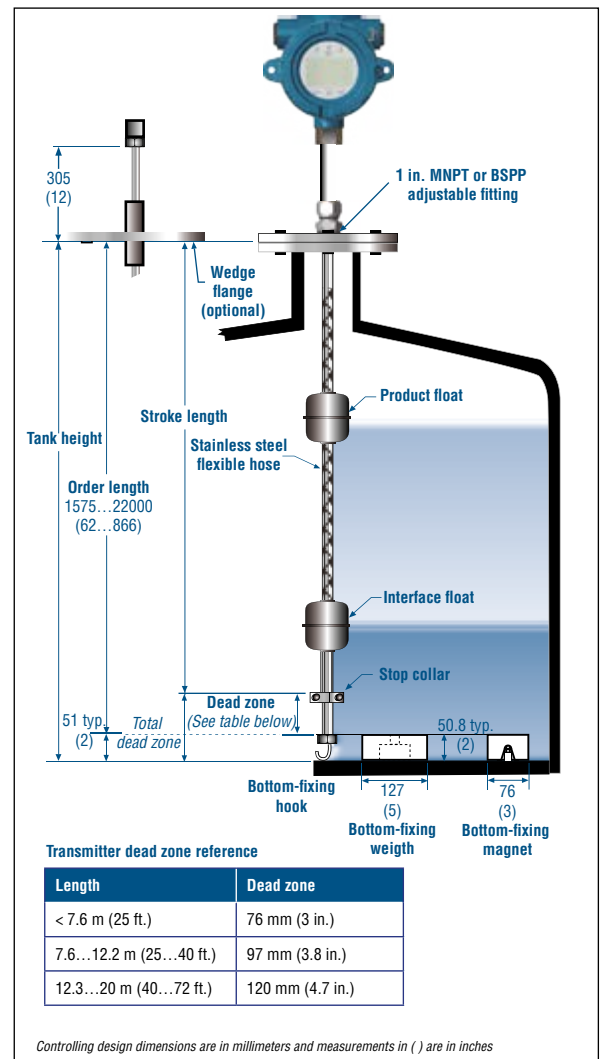


Image reference:

Front page: © Alex Staroseltsev - Fotolia.com

Document Part Number

551864 Revision B (EN) 03/2018



UNITED STATES

MTS Systems Corporation
 Sensors Division
 Phone: +1 919 677-0100
 E-Mail: info.us@mtssensors.com

GERMANY

MTS Sensor Technologie
 GmbH & Co. KG
 Phone: +49 2351 9587-0
 E-Mail: info.de@mtssensors.com

ITALY

Branch Office
 Phone: +39 030 988 3819
 E-Mail: info.it@mtssensors.com

FRANCE

Branch Office
 Phone: +33 1 58 4390-28
 E-Mail: info.fr@mtssensors.com

GREAT BRITAIN

Branch Office
 Phone: +44 79 44 15 03 00
 E-Mail: info.uk@mtssensors.com

CHINA

Branch Office
 Phone: +86 21 6485 5800
 E-Mail: info.cn@mtssensors.com

JAPAN

Branch Office
 Phone: +81 42 707 7710
 E-Mail: info.jp@mtssensors.com

www.mtssensors.com

MTS, Temposonics and Level Plus are registered trademarks of MTS Systems Corporation in the United States; MTS SENSORS and the MTS SENSORS logo are trademarks of MTS Systems Corporation within the United States. These trademarks may be protected in other countries. All other trademarks are the property of their respective owners. Copyright © 2018 MTS Systems Corporation. No license of any intellectual property rights is granted. MTS reserves the right to change the information within this document, change product designs, or withdraw products from availability for purchase without notice. Typographic and graphics errors or omissions are unintentional and subject to correction. Visit www.mtssensors.com for the latest product information.