Level Plus®

Magnetostrictive Liquid-Level Sensors
with Temposonics® Technology

Tank SLAYER®
Application Data Sheet

Document Part Number
551689 Revision B (EN) 08/2016

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22

To build the sensor model number in the fields provided above, download the product specification / data sheet from the following Tank Slayer® product page link and refer to the document's '**Ordering Information**':

http://www.mtssensors.com/products/liquid-level-transmitters/TankSlayer/index.html

General Info

Company name:		Email address:	
Quote number:		Country of final destination:	
Customer name:		Phone number:	
Project name:		Factory contact:	

Vessel Detail

Volume:		Height:	
Diameter:		Material:	
Lining:		Process connection type:	
		Process connection size:	

Application Information

Maximum operating temperature:			Maximum operating pressure:		
Vibration?:	Yes	No	Stilling well?:	Yes	No
Turbulence?:	Yes	No	Stilling well size:		
Mixer?:	Yes	No			

Level 1

Process media:		Media specific gravity:	
Viscosity:		Coating/buildup:	

Level 2

Process media: | Media specific gravity:

Viscosity: | Coating/buildup:

Level Transmitter Specification

Interface

Output signal (Check one): Modbus DDA Single Loop (4-20 mA with HART) Dual Loop (4-20 mA with HART)

Process Variables (Check all that apply): Product level Interface level Volume (Modbus output required)

Point temperature Multipoint temperature (Modbus or DDA output required)

Approval

Approval agency: | Method of protection:

Gas group: | Temperature code:

Mechanical Packaging

Housing Style:

Material of construction: Weight Magnet Hook None

Order length: | Process connection size:

Process connection type:

Custom Programming Information

Loop 1: 4 mA | 20 mA | Level 1 Level 2 Temp

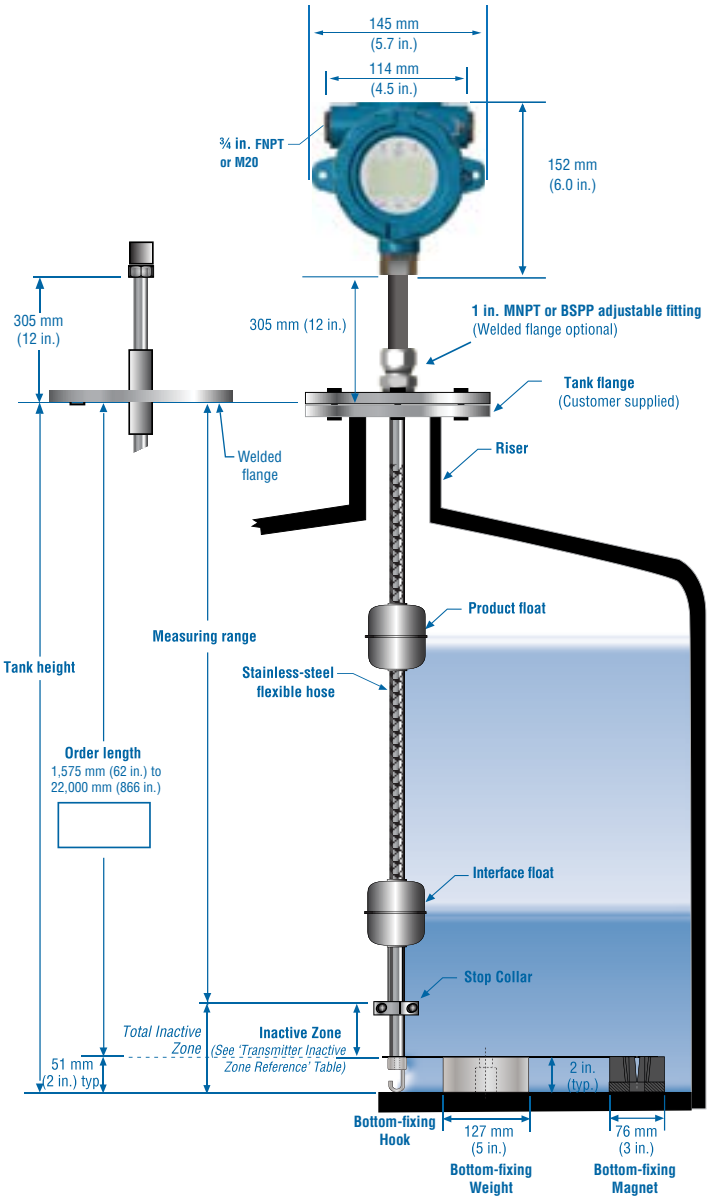
Loop 2: 4 mA | 20 mA | Level 1 Level 2 Temp

Custom DT Locations

DT1 | DT2 | DT3 | DT4 | DT5 | DT6 | DT7 | DT8

DT9 | DT10 | DT11 | DT12 | DT13 | DT14 | DT15 | DT16

Notes



Transmitter inactive zone reference

Length	Inactive Zone
<7.6 m (25 ft.)	76 mm (3 in.)
7.6 m to 12.2 m (25 to 40 ft.)	97 mm (3.8 in.)
12.3 m to 22 m (40 to 72 ft.)	120 mm (4.7 in.)

General Ordering Notes:

1. For Inactive Zone from the tip of the transmitter, refer to the illustration, for details see table 'Transmitter Inactive Zone Reference'.
2. Allow overhead clearance for installation and removal of transmitter.

Digital Ordering Notes:

1. DT 1 is 203 mm (8 in.) from the tip if length < 9144 mm (360 in.), 914 mm (36 in.) from tip if length ≥ 9144 mm (360 in.).
2. If you choose DT Placement Fixed, the first DT will be as described in Note 1 and the last DT will be at 80% of the order length. All other DTs will be evenly spaced.
3. If you choose DT Placement Custom, you must provide all DT locations in the Custom Temperature Position Table.

Minimum order length

Number of DTs	Minimum order length
0	1575 mm (62 in.)
1	1575 mm (62 in.)
5	1575 mm (62 in.)
12	2032 mm (80 in.)
16	2794 mm (110 in.)

Analog Ordering Notes:

1. 4 to 20 mA setpoints are set at the 'Minimum' or 'Maximum' positions unless otherwise specified. 'Minimum' is set to 76 mm (3 in.), 97 mm (3.8 in.), or 120 mm (4.7 in.) as standard dependent on the end plug. 'Maximum' is set to Order length minus 25 mm (1.0 in.) as standard.

2. Only available with one temperature measurement point. DT1 is 203 mm (8 in.) from the top if length < 9144 mm (360 in.) or 914 mm (36 in.) from the top if length ≥ 9144 mm (360 in.).

MTS® SENSORS

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