

# Level Plus®

Magnetostrictive Liquid-Level Sensors  
with Temposonics® Technology



# Temposonics

AN AMPHENOL COMPANY

Document Part Number  
551689 Revision B (EN) 11/2022

## Tank SLAYER® Application Data Sheet

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| L | P | T |   |   | 1 |   | 1 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| 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**':

<https://www.temposonics.com/Products/LiquidLevelTransmitters/TankSLAYERrtransmitter>

### 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

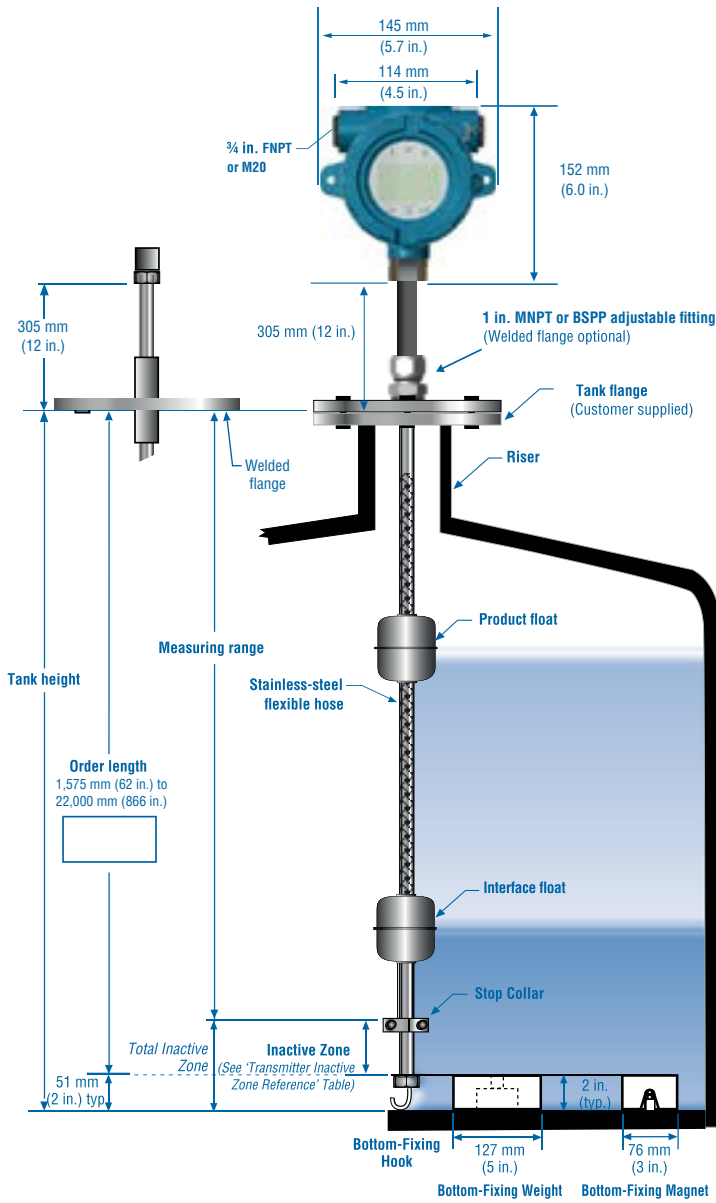
Process media:

Media specific gravity:

Viscosity:

Coating/buildup:





### 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.).

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[temposonics.com](http://temposonics.com)

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