

Level Plus®

Magnetostrictive Liquid Level Transmitters
with Temposonics® Technology



Temposonics

AN AMPHENOL COMPANY

SoCLEAN®

Application Data Sheet

Document Part Number
551695 Revision B (EN) 11/2022

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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 SoClean® product page link and refer to the document's **'Ordering Information'**:

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

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

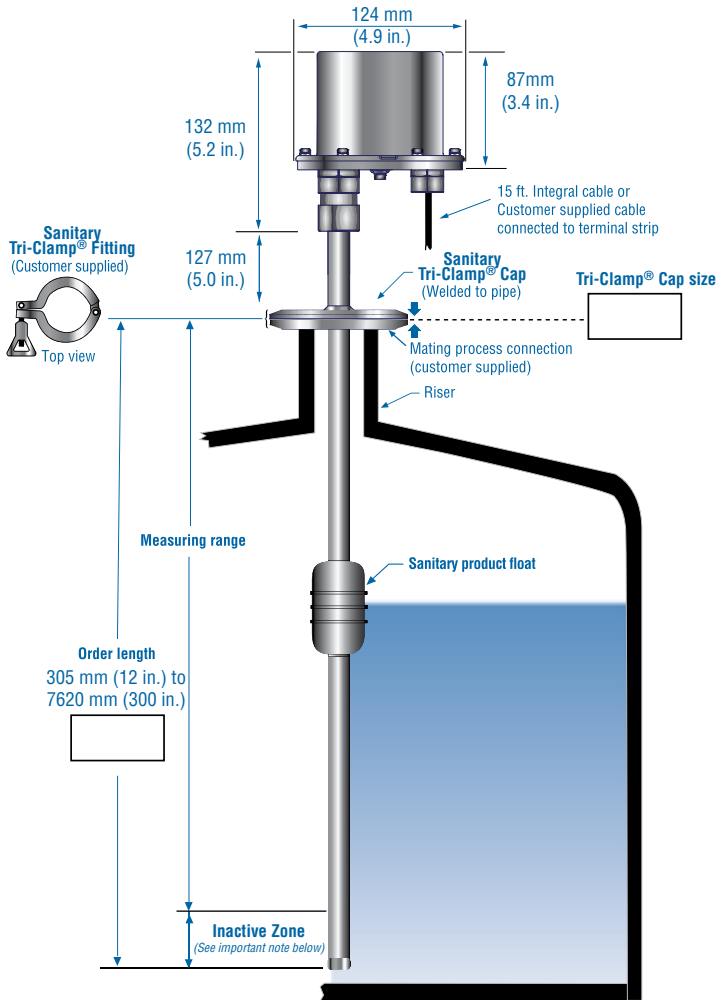
Level 1

Process media:

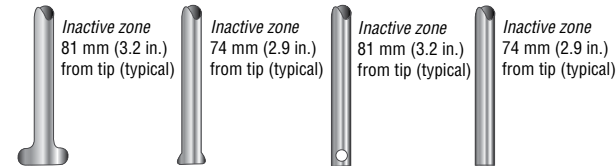
Media specific gravity:

Viscosity:

Coating/buildup:



IMPORTANT: Float, part number 401513-X is recommended for use with all Sanitary transmitters as other floats could enter the 'Inactive Zone' when the tank is emptied.



TB Sanitary \diamond
DP Drain-in-place with end plug \diamond
CP Clean-in-place
DN Drain-in-place no through hole

\diamond End plug style comes with permanently mounted floats. These floats cannot be removed from the pipe.

Transmitter inactive zone reference

End plug style	Inactive zone
TB, CP	81 mm (3.2 in.)
DP, DN	74 mm (2.9 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.
3. All transmitter pipes come with a rigid sensor element. Flexible sensor elements are available, contact factory for more information.

Digital Ordering Notes:

1. DT 1 is 203 mm (8 in.) from the tip.
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.

Analog Ordering Notes:

1. 4 and 20 mA set points are set at the 'Minimum' or 'Maximum' positions unless otherwise specified. 'Minimum' is set to 74 mm (2.9 in.) or 91 mm (3.2 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 tip if length < 7620 mm (300 in.).

Minimum order length

Number of DTs	Minimum order length
0	305 mm (12 in.)
1	305 mm (12 in.)
5	914 mm (36 in.)
12	2032 mm (80 in.)
16	2794 mm (110 in.)

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