

Level Plus[®]

Magnetostrictive Liquid Level Transmitters
with Temposonics[®] Technology



SoCLEAN[®] Application Data Sheet

Document Part Number
551695 Revision A (EN) 08/2015

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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'**:

<http://www.mtssensors.com/products/liquid-level-transmitters/SoClean/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

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:

Electropolished:

Yes

No

End plug:

TB

DP

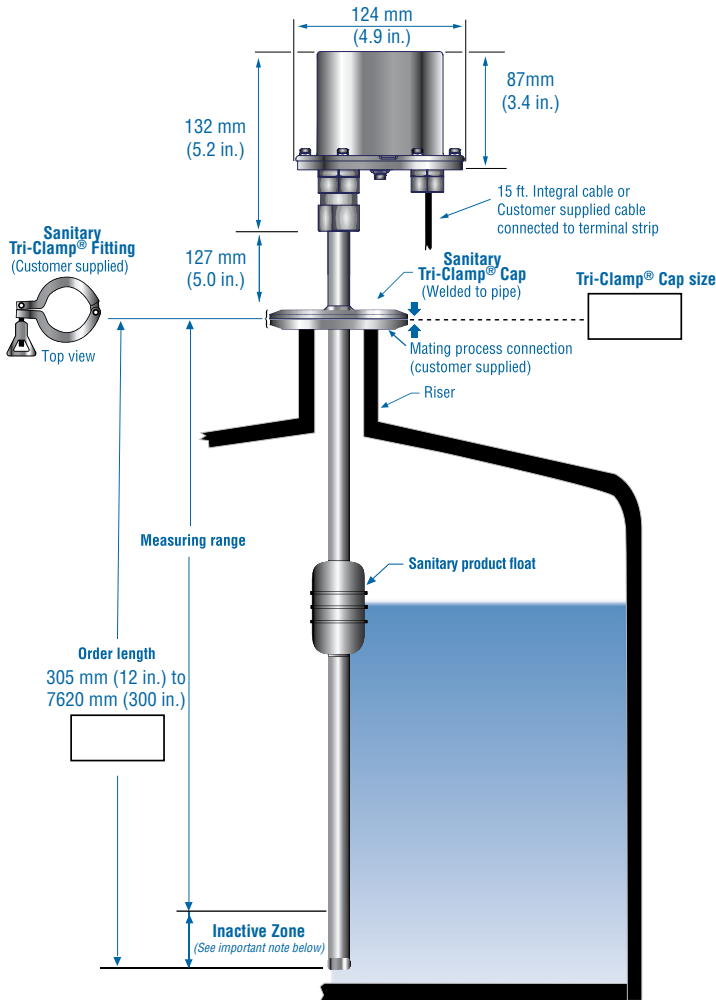
CP

DN

Order length:

Process connection size:

Process connection type:



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.

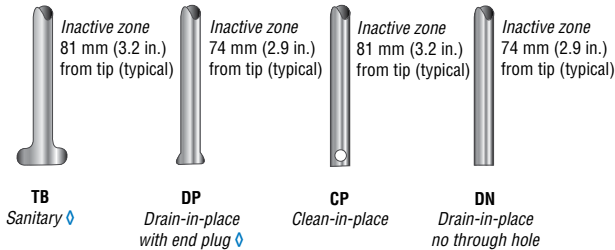
Digital Ordering Notes:

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.

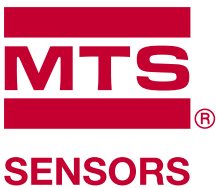
Minimum order length

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.)

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.



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



LEGAL NOTICES

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All specifications are subject to change. Contact MTS for specifications and engineering drawings that are critical to your application. Drawings contained in this document are for reference only. Go to <http://www.mtssensors.com> for the latest product information.

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