

Level Plus®

Magnetostrictive Liquid Level Transmitters
with Temposonics® Technology



SoCLEAN® Product Brief

- ▶ No scheduled maintenance or recalibration
- ▶ Resolution ± 1 mm (± 0.039 in.)
- ▶ Hazardous area certified

The Level Plus® SoCLEAN® liquid level transmitter satisfies the demand for an accurate and robust liquid level sensor with unsurpassed flexibility to meet many process application conditions. The SoCLEAN® transmitter provides 3-in-1 measurement using one process opening for product level, interface level, and temperature measurements. Once the transmitter is installed and calibrated there is no requirement for scheduled maintenance or recalibration. ***Set it and forget it!***

MORE FEATURES

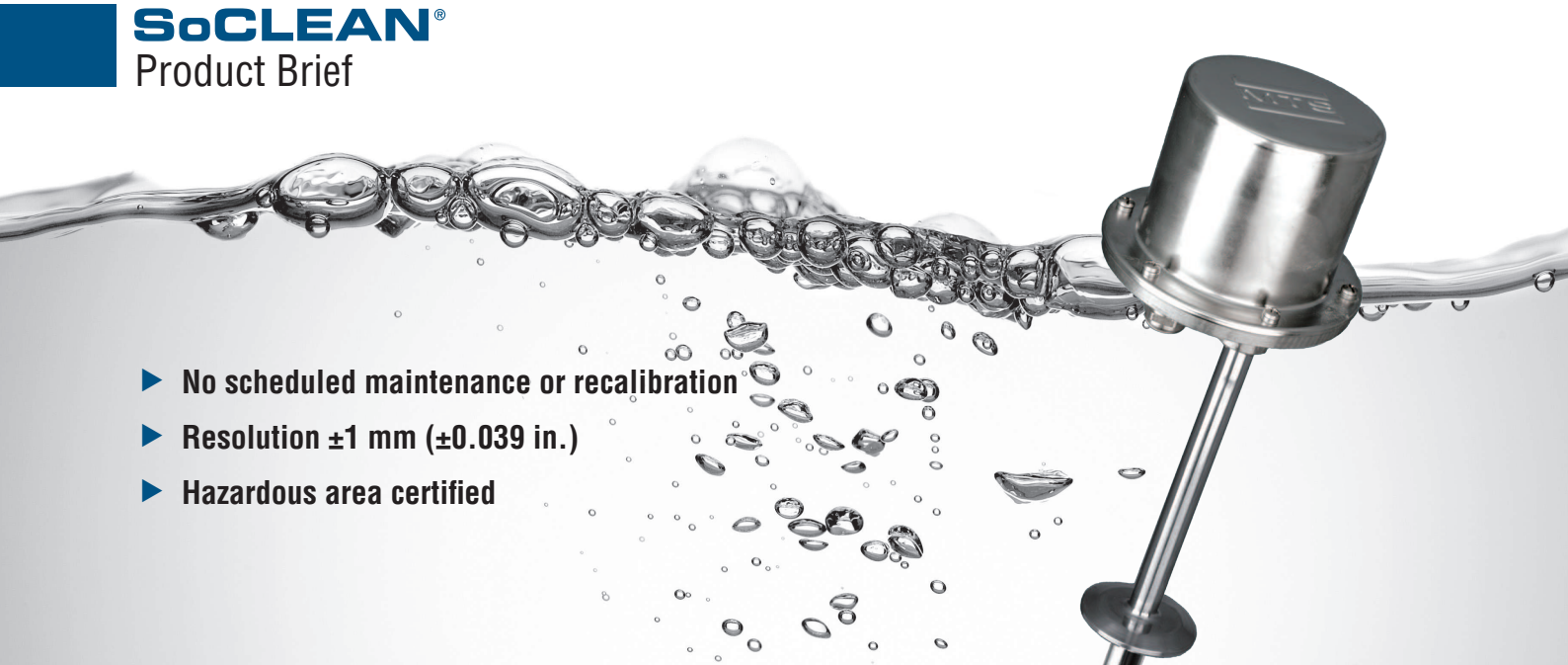
- Intrinsically Safe (Ex ia)
- Sanitary finish Ra 0.64 μm (25 μin)
- Electropolished finish Ra 0.38 μm (15 μin)

TYPICAL APPLICATIONS

- Process control
- Batching
- Bioreactor

MARKETS

- Food and Beverage
- Pharmaceutical
- Cosmetics

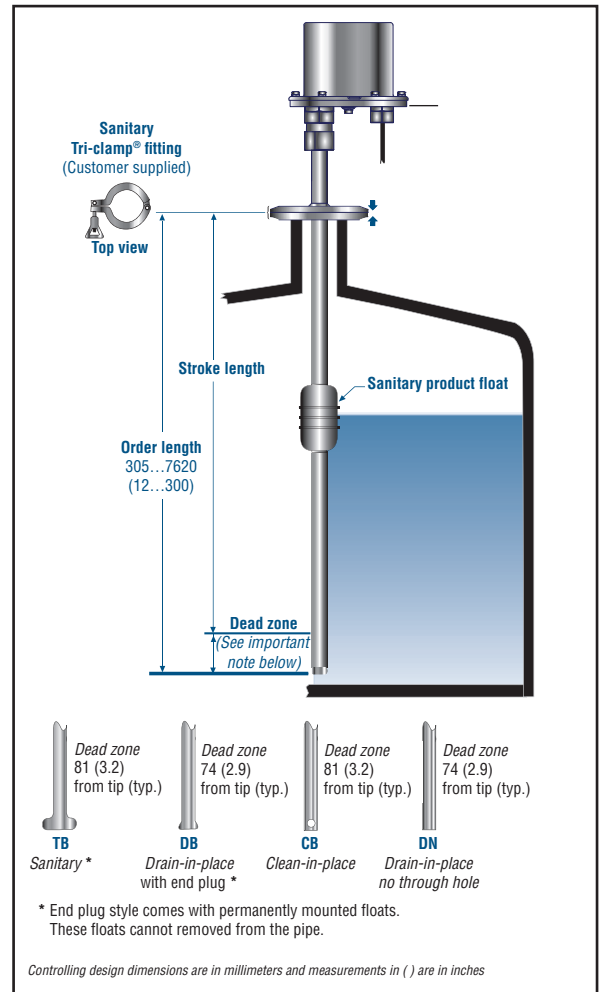


TECHNICAL DATA

Output	
Output signal / Protocol	Analog (4...20mA), HART®, Modbus RTU, DDA
Measured value	Product level, interface level and temperature
Measurement parameters	
Resolution	±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	Rigid pipe: 305...7620 mm (12...300 in.) ^{4,5}
Vessel pressure	Rigid pipe: 138 bar (2000 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



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