

Level Plus®

Magnetostrictive Liquid Level Transmitters
with Temposonics® Technology



M-Series Model USTD II Product Brief

- ▶ No scheduled maintenance or recalibration
- ▶ Resolution ± 0.5 mm (± 0.002 in.)
- ▶ Hazardous area certified

The Level Plus® Model USTD II level transmitter is designed for use in Underground Storage Tanks (UST). The most common USTD application is containing automotive fuels at gas stations. The Model USTD II 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 FEATURE

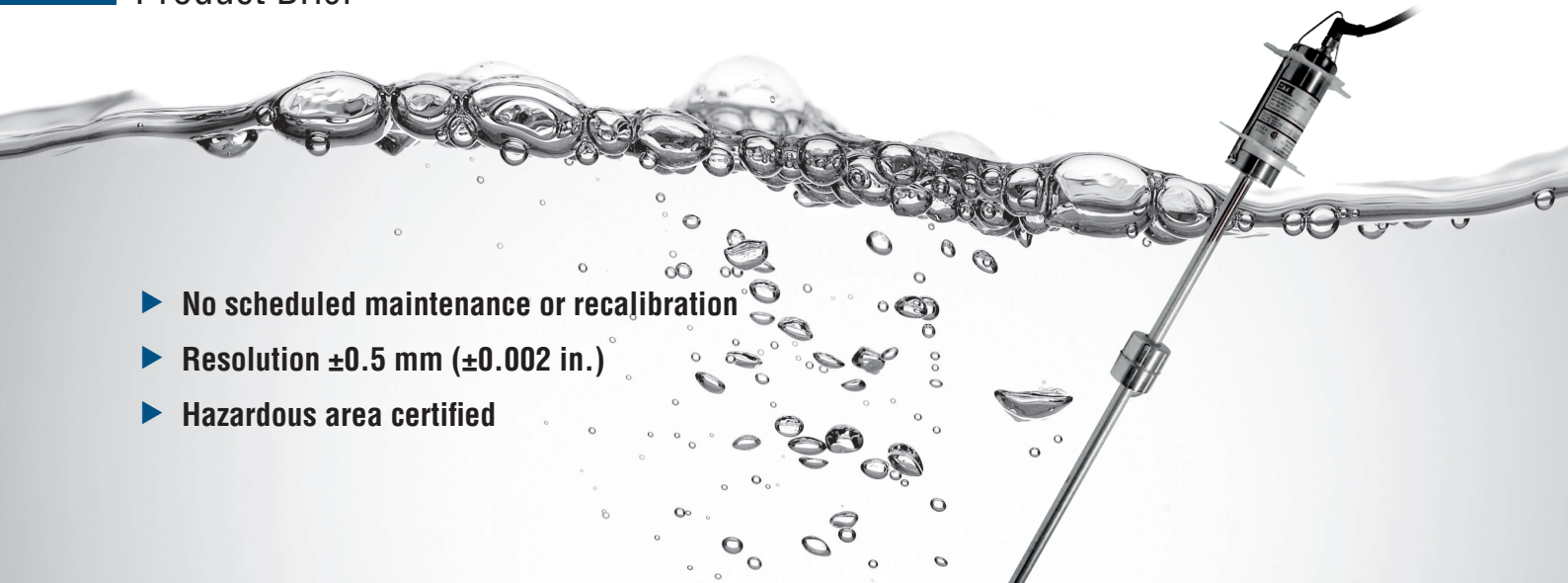
- DDA Output
- Intrinsically Safe (Ex ia)

TYPICAL APPLICATIONS

- Underground storage tanks
- Fuels and solvents
- Sumps

MARKETS

- Petroleum and Petrochemical



TECHNICAL DATA

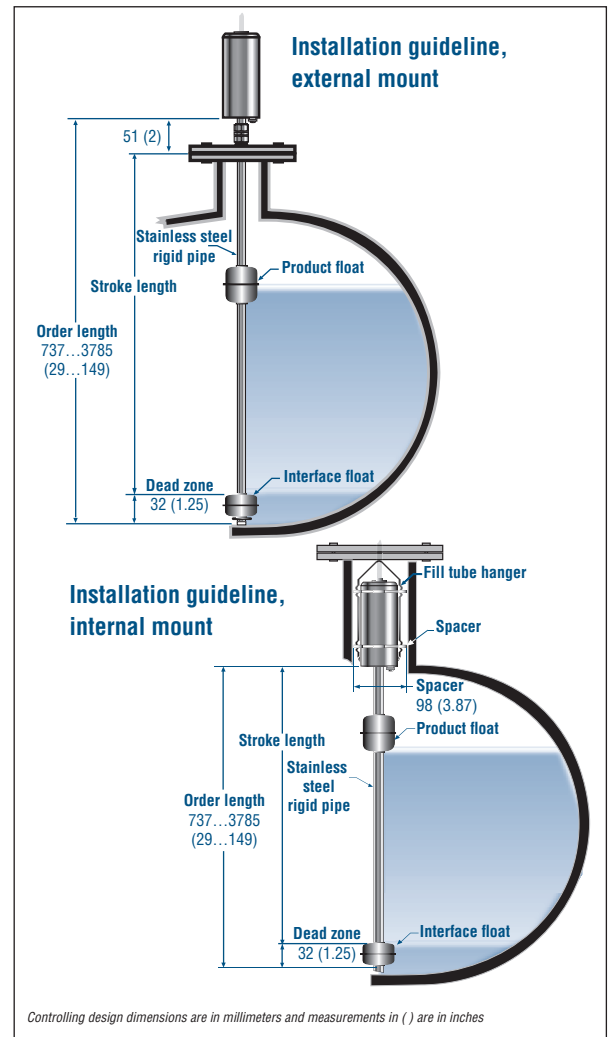
Output	
Output signal / Protocol	DDA
Measured value	Product level, interface level and temperature
Measurement parameters	
Resolution	±0.5 mm (±0.02 in.)
Repeatability	0.001 % F.S. or 0.381 mm (0.015 in.) ¹ (any direction)
Operating conditions	
Operating temperature	Electronics: -40 ... 71 °C (-40 ... 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)
Order length	Rigid pipe: 737 ... 3785 mm (29 ... 149 in.) ^{4,5}
Vessel pressure	4 bar (60 psi)
Electrical connection	
Order 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

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TECHNICAL DRAWING



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