

Application Note

Level Plus®

Magnetostrictive Liquid Level Transmitters with Temposonics Technology

Liquified Petroleum Gas Spherical Tank

INDUSTRY: Oil & gas

PRODUCT: Propane and/or butane



APPLICATION OVERVIEW

Automatic tank gauging of propane and/or butane spherical tanks for inventory monitoring at LPG unloading facility. Tanks are operated at pressure to keep the product in a liquid state. The spherical tanks are filled from ships and/or barges and then distribute to smaller bullet tanks.

KEY REQUIREMENTS

- All electronics serviceable without blowing down the tank
- Simple installation into existing tank opening
- Accurate level measurement of product (propane, butane)
- Multi-point temperature measurement of product
- Gross volume calculation of product
- Net volume calculation of product

TEMPOSONICS SOLUTION Tank SLAYER Level Transmitter

- Field serviceable replacement of the display, electronics, and sensing elements from outside of the tank with no loss in pressure or product
- Hose can be installed in a 1" FMNPT opening and float added from inside of the tank
- Accurate level measurement of the product level to ± 1 mm (0.039 in.)
- Integral temperature measurement of 1, 5, 12, or 16 temperature points
- 200 point strapping table for volume calculation
- API VCF tables 6A, 6B, 6C, and 6C Mod



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Document Part Number: 550999 Revision B 11/2022

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