

Application Note

Level Plus®

Magnetostrictive Liquid Level Transmitters with Temposonics Technology

Liquified Petroleum Gas Bullet Tank

INDUSTRY: Oil & gas

PRODUCT: Propane and/or butane



APPLICATION OVERVIEW

Automatic tank gauging of propane and/or butane bullet tanks for inventory monitoring at LPG distribution terminal. Tanks are operated at approximately 21 bar (300 psi) to keep the product in a liquid state.

KEY REQUIREMENTS

- All electronics serviceable without blowing down the tank
- 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 RefineME® Level Transmitter

- Field serviceable replacement of the display, electronics, and sensing elements from outside of the tank with no loss in pressure or product
- 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



RefineME®

LPRME1B11A5FFFAU12000S

Document Part Number: 550673 Revision D 11/2022

temposonics.com

UNITED STATES

Temposonics, LLC
Phone: +1 919 677-0100
E-Mail: info.us@temposonics.com

GERMANY

Temposonics GmbH & Co. KG
Phone: +49 2351 9587-0
E-Mail: info.de@temposonics.com

ITALY

Branch Office
Phone: +39 030 988 3819
E-Mail: info.it@temposonics.com

FRANCE

Branch Office
Phone: +33 614 060 728
E-Mail: info.fr@temposonics.com

UK

Branch Office
Phone: +44 79 21 83 05 86
E-Mail: info.uk@temposonics.com

SCANDINAVIA

Branch Office
Phone: +46 70 29 91 281
E-mail: info.sca@temposonics.com

CHINA

Branch Office
Phone: +86 21 3405 7850
E-Mail: info.cn@temposonics.com

JAPAN

Branch Office
Phone: +81 3 6416 1063
E-Mail: info.jp@temposonics.com