

# Application Note

## Level Plus® Magnetostrictive Liquid-Level Transmitters with Temposonics Technology

### Bioreactors

**INDUSTRY:** Pharmaceutical & biotechnology  
**PRODUCT:** Proprietary liquid with blood plasma



#### APPLICATION OVERVIEW

Automatic tank gauging of the level in bioreactor for proprietary liquids that can cost upwards of \$100,000 per 1/8 ". The highest level of accuracy is a must to monitor the process and prevent the loss of a batch.

#### KEY REQUIREMENTS

- Sanitary (hygienic) wetted parts
- Accurate level measurement of product
- High performance during agitation
- CIP capable

#### Temposonics SOLUTION SoClean® Transmitter

- 3-A certified design to standard 74-06 sensors and sensor fittings and connections
- Electropolished Ra 15 µin. surface finish
- Accurate level measurement of the product level to ±1 mm (0.039 in.)
- The SoClean model is not affected by agitation as the rigid 5/8 " OD pipe is strong enough not to bend or vibrate during agitation
- The SoClean model has been used by numerous customers with their CIP process without fault



**SoCLEAN®**  
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