

# Increase existing Tank Gauge **RELIABILITY** through the use of both GSI Mechanical Tank Gauges And Absolute Digital Transmitters



Since 1988 the GSI 2000 Digital Transmitter has been the leading mechanical tank float gauge transmitter in the industry. It provides inventory accuracy for level, temperature (when used with RTD), status contacts, and I.D. echo. Additional options include: Multi-point spot temperature and Density measurement. For the past 26 years it always has had the lowest cost of ownership of any float type transmitter, the longest MTBF (Mean Time Between Failure) and least MTTR (Mean Time To Repair). The GSI Digital Transmitter is compatible with the GSI 2570 and other manufactures mechanical float and tape gauges.

The GSI Digital Transmitter consists of three major components:

1) Transmitter housing, 2) Encoder, and 3) Transmitter Board.

- Transmitter Housing - This is an explosion proof (NEMA 7) cast aluminum housing with wiring nipple assembly and J-condulet for surge protection & field wiring terminations.
- Encoder - Designed to eliminate problems found within other manufacturers' brush and optical (absolute & non-absolute) encoders. The 2000 Digital Transmitter provides an "Absolute" encoder without the need for batteries to provide power to store data or optical arrays (electrical component within the encoder) that need continual maintenance.
- Transmitter Board - GSI manufactures field proven transmitter boards to match open standards such as MODBUS RTU / RS485 or vendor dedicated protocols such as Enraf® BPM (GPU), Varec® Mark-Space / 48Vdc, L&J Technologies® Tankway /38-70Vdc, MTS® DDA, and other manufacturers' forms of non-compliant MODBUS / 220Vac – 24Vdc.

