

# Tridundant MTG

Multi-function Tank Gauge

**Tank Gauging (Primary)**

**Overfill Protection (Secondary)**

**Leak Detection, etc. (Third)**

**One Gaugewell,  
Only One Solution!**

- The Tridundant MTG provides three (3) completely independent gauges, i.e., sensor arrays and transmitter cards within one probe.
- Only one tank entry required – One 8” gaugewell or larger, would provide enough room for both the ATG and manual reference gauging & sampling (without adding more additional gaugewells - \$\$\$\$)
- MTG installs in sections from the tank top mounting flange (Can be installed in service)
- MTG measures liquid within the tank (Innage). Bottom referenced & supplied with a Tank Top / Bottom Movement Indicator.

#### **The Tri-MTG Provides:**

- Primary Gauge: Tank Gauging to custody Transfer Accuracy (Volume by both Hybrid and Hydrostatic Methods), Mass, Level, Multi-point spot temperature, Average product temperature, Multi-strata density, Reference (Average) product density, Total water (Free water, Emulsified water, & Entrained water), Vapor (pressure, temperature, and density), Optional Atmospheric (pressure, temperature, and density), etc. Flow rate by Mass and/or Volume. Provides stratification of temperature, density, and water over the tank liquid height. Provides product quality and sampling of Top, Middle, and Bottom or more strata in real time. Applications include: Custody Transfer Tanks (Quantity & Quality), Crude Oil (de-watering and blending), Lubricants – quality, heating, mixing, Products requiring volume and/or mass inventory.
- Secondary Gauge: Meets or exceeds (API 2350 5th Edition) Overfill Protection and Rupture Protection (tank over pressure or vacuum).
- Third Gauge: Leak Detection monitoring of larger bulk storage tanks providing both continuous (Historical log) and tank tightness testing capabilities. Can also use the vapor sensors to monitor tank vapor parameters (for PRV activity, Emission reporting, Gas blanket monitoring, etc.).

For more information on the Tridundant, Redundant, or Single MTG contact Gauging Systems Inc.



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