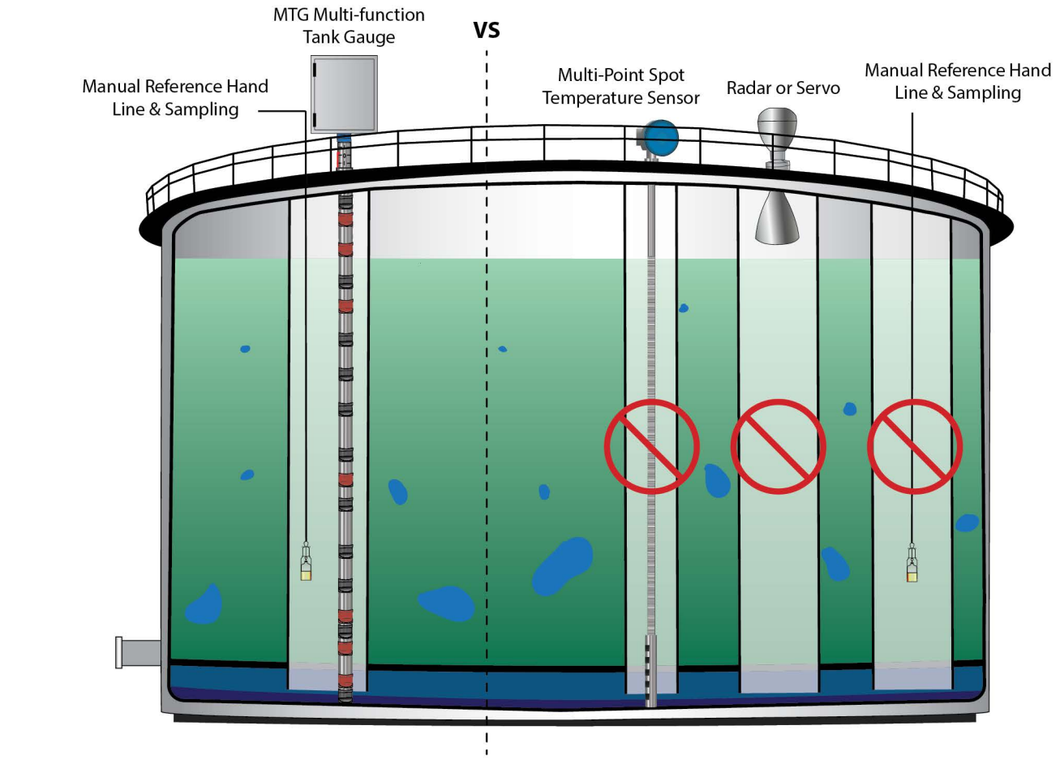
TANK GAUGING WAKE UP CALL

Save money and get all your data from a single (Redundant or Tri-dundant) gauge



One tank entry (with or without gaugewell) providing entry for an ATG and manual reference hand lines & sampling at the same time. Thus, providing a point of direct comparison of the ATG and manual reference measurements (using the same physical location and product media) for calibration and checking the ATG accuracy.

No second gaugewell needed ($$$) for level or redundant level.

No third gaugewell needed ($$) for a Multi-point spot temperature probe with free water level.

No measurement error between two gauge wells based upon separate media and physical location from the manual reference measurement.

A single gaugewell providing access for all needed measurements and needed data with better measurement accuracy and less cost.

What about a redundant gauge for both tank gauging and API 2350 Overfill Prevention and other applications?

Redundant and Tridundant configurations consist of a bottom referenced probe, one tank entry (gaugewell) with multiple independent sensor arrays and transmitter cards, each with independent wiring connections for both power and signal. No active components being shared, only the housing (probe and transmitter housing). With plenty of room for the manual reference measurements from the same location at the same time.

Why Redundant or Tri-dundant Gauges

- Tank gauging (primary) and API 2350 Overfill Prevention & Rupture (Over pressure and Vacuum) protection (secondary).
- Tri-dundancy can provide Tank gauging (primary), Overfill & Rupture protection (secondary), and Leak detection (Continuous or tank tightness) (Third).

Applications include: Safety or Environmental need for multiple independent gauges, Critical tanks; Remote site back-up (minimize MTBR); One tank gauge providing two entities with information independently, etc.

What Data Can I Use? Payback?

Volume (Custody Transfer Accuracy); Level; Mass; Multi-point spot temperature; Average product temperature; Multi-strata density; Average product density; Total water (Free, Emulsified, & Entrained water); Vapor (pressure, temperature, & density); Ambient (pressure, temperature, & density); Stratification within the tank (Temperature, Density, & Water); Sampling for product quality (Multiple strata or API 8.1 Top, Middle, and Top); Water settling and/or location in product monitoring; Dewatering; Ambient monitoring; Vapor monitoring; Overfill & Rupture monitoring; Leak detection monitoring; Tank bottom or top movement indication; In-tank blending; Tank transfer yield analysis; etc.

Initial Savings, Improved Operations, and Pay Back on your Investment

- Only one gaugewell required (saves $45,000+)
- Improved and confirmable accuracy – One physical point of direct comparison of the ATG and Manual reference measurements for calibration and checking of accuracy
- Tank top/bottom reference movement indicator or optional transmitter
- One gauge well for Manual reference measurements, Tank Gauging, Overfill & Rupture prevention, etc.

All references to ATG = MTG Multi-function Tank Gauge

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