

Redundant Tank Gauges (2) using only one (1) tank top entry

The MTG² 3024 is a Redundant Multi-function Tank Gauge with Two (2) independent MTG 3012 tank gauges within one physical probe.

Providing full data including the calculation of Volume from each of the two (2) gauges (Volume, Mass, Level, Temperature, Density, Water, Vapor pressure, Vapor temperature, Vapor density, etc.). (Note: See the MTG 3018 for independent Gauge and Overfill Protection in one physical probe (one tank top opening), API 2350 solution)

Initially designed from the first redundant tank gauge, the MTG-L which combined Five (5) independent tank gauges within one physical probe (1998). The MTG-L's data was combined to form a single virtual gauge in tanks that measured 265 feet (81m) in height.

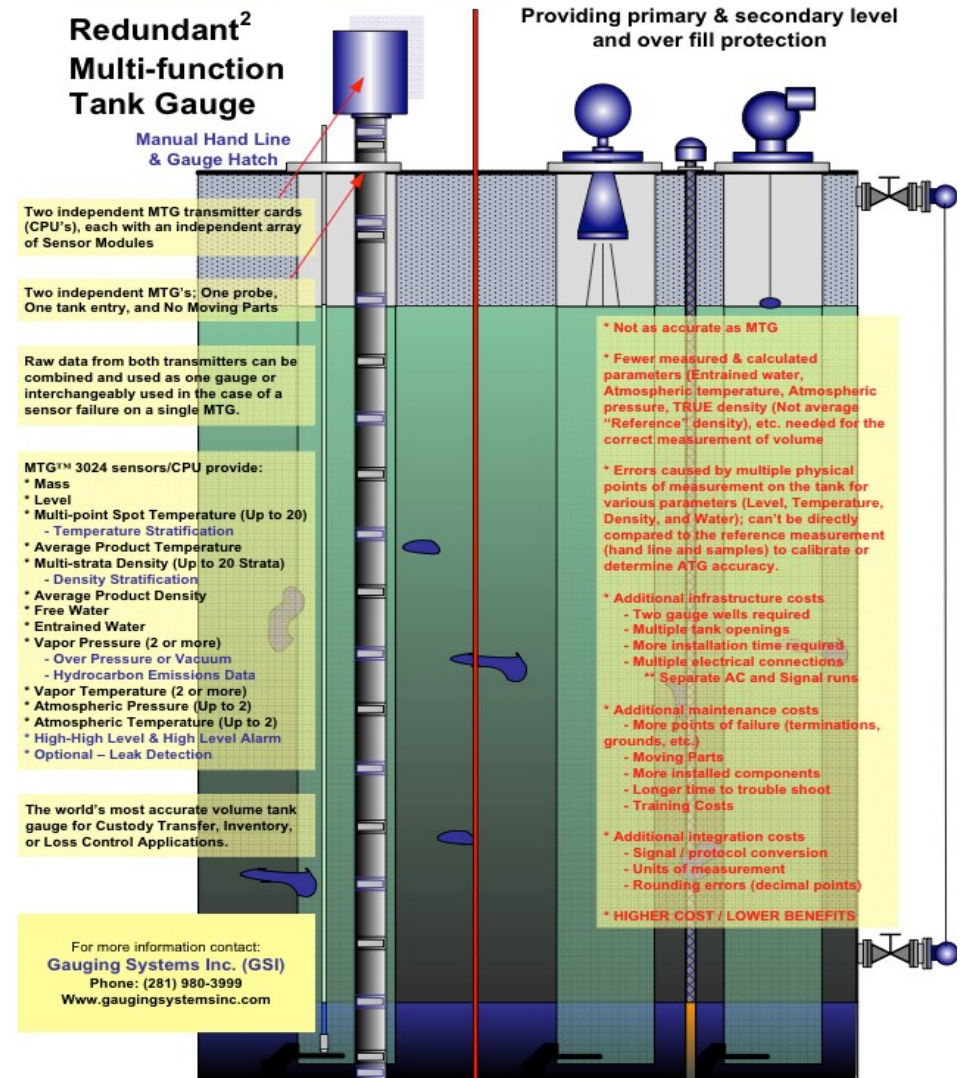
The MTG² 3024 is designed for redundant applications needing two independent gauges, such as:

- Critical tanks that are not advantageous to be taken out of service;
- Tanks where inventory is tracked by multiple parties;
- Tanks in remote locations (MTBR insurance)
- Tanks requiring complete SIL capability out of a tank gauge, i.e., Redundant inventory (Volume), Overfill Protection, Leak Detection, and Vapor Emission monitoring. In addition to monitoring for tank over pressure or vacuum; product stratification (density (S.G.)), total water (free, emulsified, entrained water) for correct inventory valuation.

The 3024 can be used with or without a gauge well; No moving parts; Bottom referenced; I.S. (Intrinsically safe) certified; Self calibrating and Self diagnostic; Tank bottom movement indication. Power: 24 Vdc (7-14 Vdc after barriers), Communications: Four wire RS 485 from each gauge; Protocol: MODBUS RTU. Other communication options are available.

One MTGTM 3024 Vs. Two Tank Gauges:

Providing primary & secondary level and over fill protection



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MTGTM Patented & Patent Pending Technology

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MTG "Multi-Function Tank Gauge" is patented technology [5942980, 6965310, 7284428, 7471208, 7315788, 7470060]

