



ADVANCED TELEMETRICS

1000S DIGITAL TANK GAUGE

THE MOST ACCURATE LEVEL MEASUREMENT DEVICE ON THE MARKET

Advanced Telemetrics manufactures the most accurate, robust and reliable multi-function liquid measurement system on the market today.

Our automatic tank gauge has been proven in a wide range of severe environments, as well as remote and industrial applications. Commonly referred to as ATG's, digital tank gauges, or liquid level sensors, our automatic tank gauges are capable of measuring different liquid levels in a container or pond to an accuracy of 0.10 inch. Starting with an elegant core design our tank float can be configured as a single, dual or triple float measurement system.

The tank gauges are available in wired or wireless configurations; the hard wired tank gauges are Class I, Division 1 rated and UL listed. Reliability is backed by our exclusive four year limited warranty, which is assured through the use of all solid state electronic components that directly measure actual fluid levels, as well as industry-leading corrosion-resistant materials for all enclosures, hardware, and floats.

Dual Liquid levels
Zero Calibration & Zero Drift
Discrete High Level Shutdown
Multiple Temperature Readings
Top, Middle & Bottom of Fluid Column
Level & Temperature Available
in Multiple Formats
Configurable Modbus Communication
UL1203 Class1, Division 1,
Groups C and D Certification



Advanced Telemetrics | www.advancedtelemetrics.net
1-800-382-1482 | 700 S. Tucker Ave, Farmington, NM 87401

Tank Gauge Specifications

Electrical Specifications

- Power requirements: 9 - 14 VDC, 24MA current draw
- Temperature range: operating: -40 °C to 85 °C
- Communications standards: RS485 ASCII, MODBUS ASCII & RTU
- An Auto-baud feature for detecting the polling baud from controller.

Sensing Specifications

- Temperature readings are available at the top, middle, and bottom of fluid column in Fahrenheit, Celsius, and Kelvin for average fluid column readings.
- Level accuracy: 0.10" to ±0.05" over entire range
- Level resolution: 0.001" over entire range
- Temperature accuracy: ±0.10 °f
- Temperature sensors: temperature sensors placed every 18"

Packaging Specifications

- Enclosure material: machined billet aluminum
- Enclosure seal: viton o rings
- Sensor outer packaging: 316l stainless
- Sensor diameter: seamless tube 0.75" od

Float Specifications

- Float material: nitrophenyl
- Number of floats: 2 floats for multiple fluid density (oil/water)
- Float diameter: 3.85" nitrophenyl
- Float length: 6.00" nitrophenyl

Interface Software

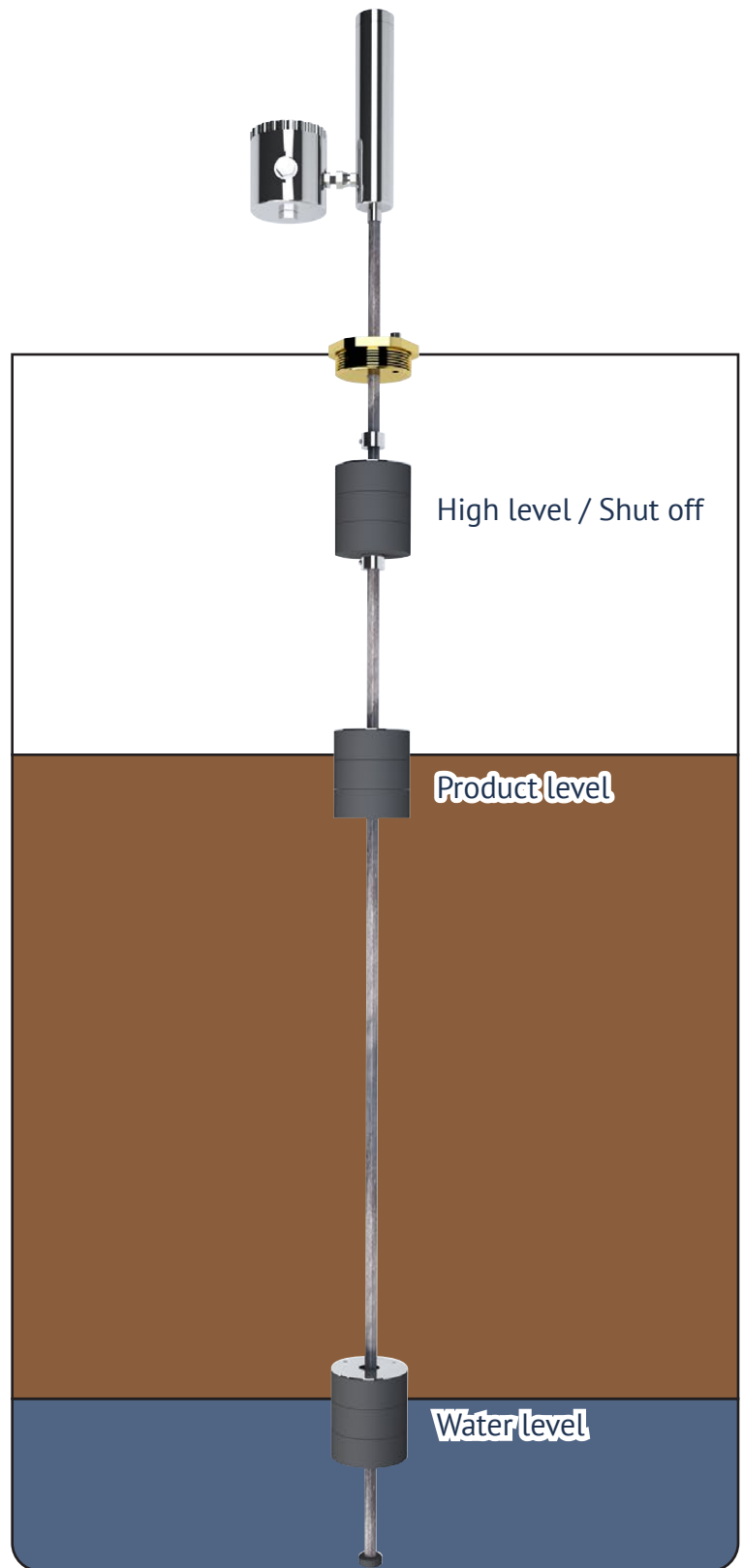
- Direct interface is possible through any rs485 terminal communications program

Integration Capability

- Supports industry instrumentation comm. Standards (eia485, rs422, rs232)
- Custom reengineering available
- Advanced surge protection
- Capabilities may include static fluid leak detection, temperature averaging, and datalogging

Certification

- UL1203 Class 1, Division 1, Groups C and D



Distributed by: