



FUEL TATTLE™

— AGRICULTURE, ENERGY SECTOR



FEATURES

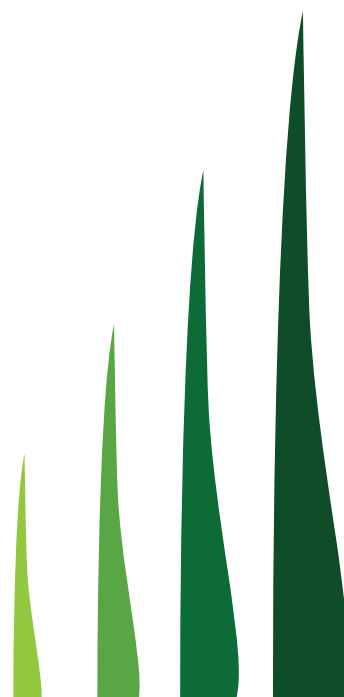
- Ability to access the systems 24/7/365 from multiple devices, anytime, anywhere
- All assets, in real-time, on one map. With route planning, reports, and update intervals
- Unlimited user access. Give users access to certain tanks, allowing them to manage and plan their routes accordingly
- Notifications sent via text or email alerting that the tank levels are below x %



FUEL TATTLE™ is a controlled remote monitoring and data solution for location, level and is self powered. FUEL TATTLE™ can be connected to several different fuel applications such as on farm storage tanks, commercial storage and bulk tanks. FUEL TATTLE™ utilizes many different pressure sensors. Sensors range from submersible to threaded for installation to external valves. Through web app or mobile apps, you can view all your fuel tank assets, product inventory, product levels and product throughput in real time. FUEL TATTLE™ can be installed on any size and type of fuel tanks. FUEL TATTLE™ in combination with Tattle Systems™ is a valuable business tool that enhances logistics efficiencies for fuel distribution.

BENEFITS

- Proven 25% reduction in logistics costs
- Real-time remote access
- Optimize asset management
- Optimize inventory levels
- Optimize employee productivity
- Improved client experience
- Asset security
- Data generation
- Minimize environmental impact



DEVICE SPECIFICATIONS



SENSOR DESCRIPTION

- Extensive test cycles not only guarantee a permanent resistance and long service life in all commonly used oils and fuels, including aggressive crude oils and biofuels, but also in flowing and stagnant waters and in wastewater treatment applications.

- Thanks to newly developed special cables, components made of highalloyed stainless steel and an overvoltage protection against lightning, the submersible pressure sensor is perfectly suited for the measurement of liquid levels, also in the outdoor area.

APPROVALS MARKING

ATEX	Zone 0 gas [II 1G Ex ia IIC T4/T5/T6 Ga] Zone 1 gas [II 2G Ex ia IIC T4/T5/T6 Gb]
IECEX	Zone 0 gas [II ia IIC T4/T5/T6 Ga] Zone 1 gas [II ia IIC T4/T5/T6 Gb]
CSA	Class I, division 1, groups A, B, C, D Class I, zone 0; A/Ex ia IIC; T6 ... T4 Ga Class I, zone 1; A/Ex ia IIC; T6 ... T4 Gb Class I, zone 2; A/Ex ic IIC; T6 ... T4 Gc
FM	Class I, division 1, groups A, B, C, D Class I, zone 0, AEx ia IIC, T6 ... T4 Ga Class I, zone 1, AEx ia IIC, T6 ... T4 Gb Class I, zone 2, AEx ic IIC, T6 ... T4 Gc

TATTLE DEVICE DIMENSIONS	152.44mm x 152.4mm x 101.6mm (6" x 6" x 4")
DEVICE MOUNTING	Magnets (brackets by request)
WEIGHT	3.5kg (7.7lb)
POWER	6V DC, 3.5W (via solar)
WIRED INTERFACES	9-pin (external sensor)
RADIO INTERFACES	Cellular data
OPERATING TEMPERATURE	-40C to +60C
ALTITUDE	Up to 2000m
OPERATING HUMIDITY RANGE	Maximum relative humidity 80% for temperatures up to 31C decreasing linearly to 50% relative humidity at 40C
STORAGE TEMPERATURE	-40C to +65C
IP RATING	IP54 (Protected from limited dust ingress. Protected from water spray from any direction, limited ingress protection.)
CERTIFICATIONS	Product Safety: QPS Certified for Canada and the United States. Class I, Div 2, Groups C&D, T4 Class I, Zone 2 AEx nA IIB, T4 Radio: This product contains FCC ID: UDV-1403022014008 IC: 8460A-20110302008



SENSOR SPECIFICATIONS

SENSOR HOUSING	Stainless steel
SENSOR DIMENSIONS	L=9.84 (250mm) D=0.87" (22mm)
SENSOR CABLE	FEP/PUR
PRESSURE RANGE	0...25 PSI
SENSOR CABLE LENGTH	10ft (3m) or 50 (15m)
AIRBOX CERTIFICATIONS	cULs, NEMA Type 4, 4x, 6, 6P
AIRBOX DIMENSIONS	3" (75mm) x 3 1/8" (80mm) x 2" (52mm)
AIRBOX TO TATTLE CABLE	3ft (1m)
CONNECTION	9-pin male plug
REDUCING FITTINGS	2" to 1/2"



SENSOR DESCRIPTION

- The welded housing is tested in-house via a helium leak tester to ensure proper protection. The conductors of the cable are also isolated from the outside environment to keep the sensor operational for long-term use.

- With a removable nose cone, the FUEL (external) sensor can be also be installed outside of the tank through a 1/4" NPT pipe connection. In this configuration, the sensor continuously monitors the tank level through a threaded connection outside the tank, yet remains fully submersible for applications with flood prone environments or severe wash-down conditions.

SENSOR SPECIFICATIONS

SENSOR HOUSING	Stainless steel
SENSOR DIMENSIONS	L=5.51" (140mm) D=0.88" (22.5mm)
SENSOR CABLE	Hytrell Cable
EXTERNAL INSTALL	1/4" NPT
PRESSURE RANGE	0...30 PSI
SENSOR CABLE LENGTH	10ft (3m) or 50 (15m)
AIRBOX CERTIFICATIONS	cULus, NEMA Type 4, 4x, 6, 6P
AIRBOX DIMENSIONS	3" (75mm) x 3 1/8" (80mm) x 2" (52mm)
AIRBOX TO TATTLE CABLE	3ft (1m)
CONNECTION	9-pin male plug
REDUCING FITTINGS	2" to 1/2"

APPROVALS

MARKING

ATEX	Class I Zone 0 Exia IIB T4 Ga IECEx Class I Zone 0 Exia IIB T4 Ga
UL/CUL913 (CSA 157)	Class I Div 1, Groups C and D