



# FUEL TATTLE™

— AGRICULTURE, ENERGY SECTOR



## FEATURES

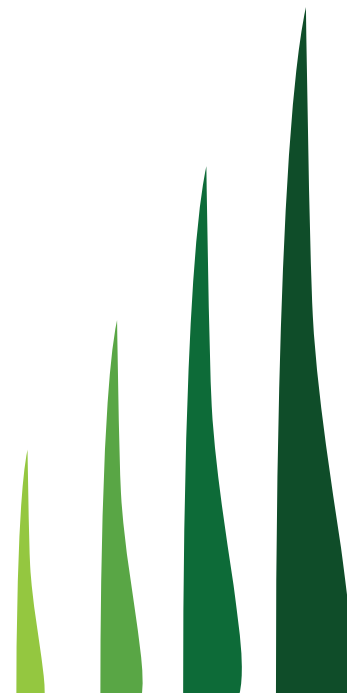
- Ability to access the systems 24/7 from multiple devices, anytime, anywhere
- All assets, in real-time, on one map. With route planning, reports, and update intervals
- Unlimited user access. Give users access to certain tanks, allowing them to manage and plan their routes accordingly
- Notifications 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 our online portal or Tattle Systems Go mobile app, 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



<b>TATTLE DEVICE DIMENSIONS</b>	152.44mm x 152.4mm x 101.6mm (6" x 6" x 4")
<b>DEVICE MOUNTING</b>	Magnets (brackets by request)
<b>WEIGHT</b>	3.5kg (7.7lb)
<b>POWER</b>	6V DC, 3.5W (via solar)
<b>WIRED INTERFACES</b>	9-pin (external sensor)
<b>RADIO INTERFACES</b>	Cellular data
<b>OPERATING TEMPERATURE</b>	-40C to +60C
<b>ALTITUDE</b>	Up to 2000m
<b>OPERATING HUMIDITY RANGE</b>	Maximum relative humidity 80% for temperatures up to 31C decreasing linearly to 50% relative humidity at 40C
<b>STORAGE TEMPERATURE</b>	-40C to +65C
<b>IP RATING</b>	IP54 (Protected from limited dust ingress. Protected from water spray from any direction, limited ingress protection.)
<b>CERTIFICATIONS</b>	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 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

<b>ATEX</b>	Zone 0 gas [II 1G Ex ia IIC T4/T5/T6 Ga] Zone 1 gas [II 2G Ex ia IIC T4/T5/T6 Gb]
<b>IECEX</b>	Zone 0 gas [II ia IIC T4/T5/T6 Ga] Zone 1 gas [II ia IIC T4/T5/T6 Gb]
<b>CSA</b>	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
<b>FM</b>	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

## SENSOR SPECIFICATIONS

<b>DIAL VOLUME</b>	E, ¼, ½, ¾, F
<b>SENSOR HOUSING</b>	Stainless steel
<b>SENSOR DIMENSIONS</b>	L=9.84 (250mm) D=0.87" (22mm)
<b>SENSOR CABLE</b>	FEP/PUR
<b>PRESSURE RANGE</b>	0...25 PSI
<b>SENSOR CABLE LENGTH</b>	10ft (3m) or 50 (15m)
<b>AIRBOX CERTIFICATIONS</b>	cULs, NEMA Type 4, 4x, 6, 6P
<b>AIRBOX DIMENSIONS</b>	3" (75mm) x 3 1/8" (80mm) x 2" (52mm)
<b>AIRBOX TO TATTLE CABLE</b>	3ft (1m)
<b>CONNECTION</b>	9-pin male plug
<b>REDUCING FITTINGS</b>	2" to ½"



## 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 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

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

## APPROVALS

## MARKING

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

