



PVT TATTLE

North Star Systems: Device Specifications

PVT TATTLE – PRESSURE VESSEL TANK

Tattle device dimensions: 152.44mm x 152.4mm x 101.6mm (6" x 6" x 4")

Device mounting	Brackets or Magnets
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



PVT TATTLE is a self-powered, controlled remote monitoring and data solution for location, speed, and level. PVT TATTLE is compatible several different applications such as anhydrous ammonia, propane, and other pressure vessel tanks. PVT TATTLE connects to many different sizes of tanks for various tank types. Through either the web app or smart phone mobile apps, you can view all your pressure vessel tank assets, product inventory, product levels, and product throughput in real time. PVT TATTLE in combination with Tattle Systems is a valuable business tool that enhances logistics efficiencies for product distribution.





Dial volume	5% - 95%		
Dial Sizes	2" (screw-on mount)	1.7" (screw-on mount)	1.7" (snap-on mount)
Dial fasteners	2 screws (6 - 32 x 3/8")		
Cable length	6ft (1.8m)		
Connection	9-pin male plug		
Sensor Certifications	UL Classified as intrinsically safe for Class 1, Div 1, Group C&D		



Dial description:

- Magnetically driven dial.
- Hall effect is a solid state technology with no moving contacts. It counts on the fact that a magnet bends the path of electrons moving through a semiconductor.
- The R3D® - LP case is hermetically sealed by ultrasonic welding to melt and fuse the case into one solid piece. This keeps weather out, ensuring "no-fog" readability while greatly extending mechanical life. The seal is a high reliability, no-gasket design. Plastic case is resistant to corrosion and wide range of temperatures.
- The plastic case is far more resistant to corrosion than any metal-cased version and is capable of withstanding broad variations in temperature. The lens and case are a special, UV stabilized plastic material. Replacement dial only, Hall Effect components not included.

PVT sensor type and connection

TOP: Sensor Cable (6') and 9-pin Tattle male plug

Bottom Left Dial: 2" (Screw-on mount)

Bottom Centre Dial: 1.7" (Screw-on mount)

Bottom Right Dial: 1.7" (Snap-on dial)

