

LIQUID TATTLE



North Star Systems: Device Specifications

		<u>LIQUID TATTLE</u>
<i>Tattle device dimensions:</i>	152.44mm x 152.4mm x 101.6mm (6" x 6" x 4")	<p>LIQUID TATTLE is a self-powered, controlled remote monitoring and data solution for location and level. LIQUID TATTLE is compatible with several different applications such as liquid fertilizer tanks, and water and waste products. LIQUID TATTLE is compatible with different pressure sensors and pressure/temperature sensors. Sensors range from submersible for internal installation to threaded for external installation. Through either the web app or smart phone mobile apps, you can view all your pressure vessel storage tank assets, product inventory, product levels, and product throughput in real time. LIQUID TATTLE in combination with Tattle Systems is a valuable business tool that enhances logistics efficiencies for product distribution.</p>
<i>Device mounting</i>	Brackets or Magnets	
<i>Weight</i>	3.5kg (7.7lb)	
<i>Power</i>	6V DC, 3.5W (via solar)	
<i>Wired interfaces</i>	9-pin (external sensor)	
<i>Radio Interfaces</i>	Cellular data	
<i>Operating temperature</i>	-40C to +60C	
<i>Altitude</i>	Up to 2000m	
<i>Operating Humidity Range</i>	Maximum relative humidity 80% for temperatures up to 31C decreasing linearly to 50% relative humidity at 40C	
<i>Storage temperature</i>	-40C to +65C	
<i>IP Rating</i>	IP54 (Protected from limited dust ingress. Protected from water spray from any direction, limited ingress protection)	
<i>Certifications</i>	Product Safety: QPS Certified for Canada and the United States.	
	<p>Class I, Div 2, Groups C&D, T4 Class I, Zone 2 AEx nA IIB, T4</p> <p>Radio: This product contains</p> <p>FCC ID: UDV-1403022014008 IC: 8460A-20110302008</p>	



North Star Systems: Sensor Specifications (Non-certified applications)

<i>Sensor housing</i>	Stainless steel
<i>Sensor Dimensions</i>	L=6" (166mm) D=1" (27mm)
<i>External install</i>	1/2" NPT
<i>Pressure range</i>	0...50 PSI
<i>Sensor Cable length</i>	33ft (10m) or 100ft (30m)
<i>AirBox Certifications</i>	cULus, NEMA Type 4, 4x, 6, 6P
<i>AirBox Dimensions</i>	3" (75mm) x 3 1/8" (80mm) x 2" (52mm)
<i>AirBox to Tattle cable</i>	3ft (1m)
<i>Connection</i>	9-pin male plug



North Star Systems: Sensor Specifications (Septic)

<i>Sensor housing</i>	Stainless steel
<i>Sensor Dimensions</i>	L=6" (166mm) D=1" (27mm)
<i>Sensor Flange</i>	Diameter 3.5" (89mm)
<i>Pressure range</i>	0...15 PSI
<i>Sensor Cable length</i>	33ft (10m)
<i>AirBox Certifications</i>	cULus, NEMA Type 4, 4x, 6, 6P
<i>AirBox Dimensions</i>	3" (75mm) x 3 1/8" (80mm) x 2" (52mm)
<i>AirBox to Tattle cable</i>	3ft (1m)
<i>Connection</i>	9-pin male plug

