

TSR1000 Tank Monitor with Remote Battery Setup Instructions



The power of data. **Optimized.**

Connect Battery and Test Connection

- 1 For tank farm systems with a gateway, set up gateway before connecting battery. Select a spot near tank you are installing.

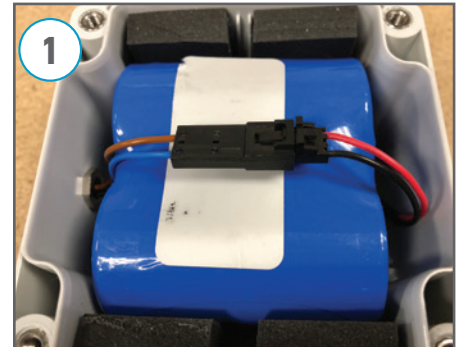
To power up TankScan Monitor, unscrew the screws on the cover of remote battery pack housing and connect battery connector to remote battery pack housing connector. Reinstall cover and tighten screws. Connect female threaded connector of battery cable to connector on remote battery pack housing. Connect male threaded connector of battery cable to connector on monitor housing.

Monitor will wake up and sound 1 beep. Then a second single beep will follow, with a third single beep for data transmission. 3 single beeps indicate a good connection was made. If more than 3 single beeps were heard, contact TankScan Technical Support. If 3 single beeps are confirmed, then proceed as follows.

Disconnect battery cable from remote battery pack and mount remote battery pack to the tank at a temporary location using magnetic back.



Explosion Hazard. Use only TankScan provided battery pack.



Installation Considerations

Monitor needs to be mounted 12 inches from tank walls and inward protrusions such as cross beams, ribs, pipes, shafts, etc. For taller tanks (>10 ft) this should increase. A good rule of thumb is 1.5ft for each additional 10ft.

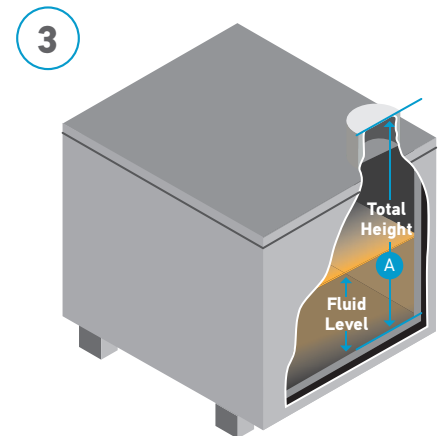
Do not allow liquid level to get closer than monitor's minimum sensing distance of 4 inches as liquid levels that close may produce inaccurate measurements.

Monitor should be installed level, pointing directly at the fluid.

Take Tank Measurement

- 2 Remove any equipment from tank port to be used by monitor. TSR monitor can be connected directly to tanks with a 1.5" or 2" NPT threaded opening.
- 3 Measure the total tank height from inside bottom of tank to top of tank port. Record measurement to later report to TankScan Technical Support to complete installation.

Total Height: _____



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Mount TSR Monitor to Tank

- 4** Screw TSR monitor into tank port and hand tighten until secure
- Seal pipe threads of monitor using product appropriate for this application prior to tightening into tank port.
 - Connect battery cable to remote battery pack and mount remote battery pack at base of tank such that the battery cable is coming out bottom of remote battery pack housing. If mounting remote battery pack to a plastic tank, apply hook and loop fastener strips to edges of magnet face of remote battery pack.



Complete Installation

- 5** While still at tank, call TankScan Technical Support at 877-847-7226 to complete installation process and perform a system test.

If asked to wake monitor by TankScan Technical Support refer to the location highlighted in picture on right.

- 6** If asked to press the push button on the remote battery pack refer to the location highlighted in the picture on right.



Cellular

Contains FCC ID: MCQ-XB3M1

Contains IC: 1846A-XB3M1

Rf

Contains FCC ID: MCQ-XBEE3

Contains IC: MCQ-XBEE3

Operation is subject to the following 2 conditions:

1. This device may not cause harmful interference and
2. This device must accept any interference received, including interference that may cause undesirable operation.

**For questions or problems –
Contact TankScan Technical Support
877-847-7226**

223-0208-000 Rev. A 4/24



WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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