

TSM8000 Tank Monitor Setup Instructions

TankScan | Powered by AquaPhoenix

WARNING: To avoid having to completely reinstall these monitors, TankScan Technical Support must be called at 877-847-7226 prior to moving forward with any of these installation procedures.

IMPORTANT: The gateway must be installed before installing monitor batteries or battery life will be severely compromised.

1 Call TankScan Technical Support

Call 877-847-7226 and ask for TankScan Technical Support prior to continuing with installation.

2 Take Measurements

Measure tank dimensions and fluid level of the tank. Record these measurements in the TankScan Site Install Data Form. Download at www.tankscan.com/resources/documentation. Send the completed form to the TankScan Customer Care Team per the instructions on the form.

3 Cut Probe Wire to Length

Use the Probe Length Calculation diagram to determine correct probe length. Cut probe wire to length. Always cut probe shorter than the height of the tank to ensure accurate readings.

4 Check Probe Wire for Kinks

Check probe wire to make sure there are no kinks. Kinks will cause false readings.

5 Determine if Probe Wire Guard (PWG) is Needed

For monitors installed on risers greater than 3 inches long, a PWG is required to prevent probe wire from contacting riser. See PWG Setup Instructions on next page. If not required, proceed to step 5.



If PWG was not already factory installed or provided as a field installable kit, contact TankScan Technical Support and order PWG Field Install kit before proceeding with monitor installation.

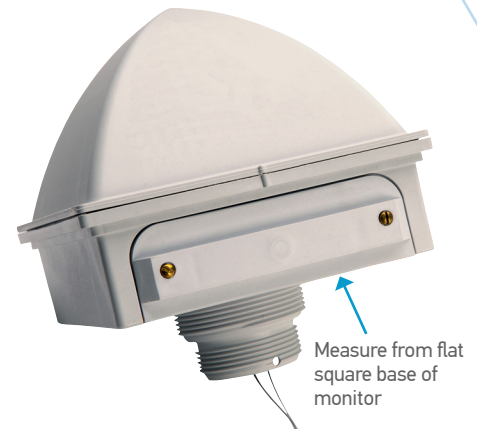
6 Attach Float Assembly

If a float assembly is included, slide the probe wire through the float assembly.



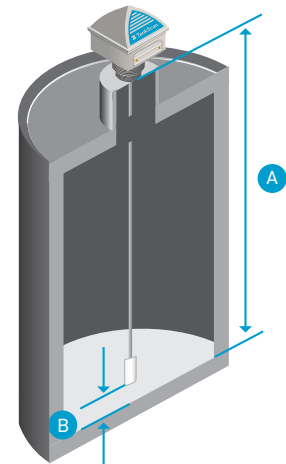
7 Attach Probe Weight

Slide the probe wire through the hole in the weight so that the wire extends into the clamp on the far end of the weight. Tighten the clamp with the provided Allen wrench.



Measure from flat square base of monitor

Probe Length Calculation



Using 1.5" Thread:

Probe Length = A - 0.75 - B

Using 2" Thread:

Probe Length = A - 1.50 - B

A = Total interior height of the tank including any riser height.

B = Distance from the bottom of the tank, use 1" for tanks 10' or shorter and 2" for tanks taller than 10'

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8 Install Monitor and Battery

Gently lower the probe wire down through the tank mounting hole. Position monitor on top of the mounting hole. Hand tighten until secure. Insert battery and plug into connection. Install battery door and tighten the screws securely using the provided screwdriver.



9 Test Setup

After assembly, test the monitor unit by swiping the magnet, which is attached to the handle of the screwdriver, over the label marked **SWIPE HERE**. The monitor will send reports every 30 seconds for ten minutes. After ten minutes, the monitor will return to normal reporting mode.

TankScan Probe Wire Guard Setup Instructions

1 Field Installable PWG Kit

Install PWG using instructions provided in kit and then continue with instruction 5 on page 1.

Factory Installed PWG

Verify that PWG is properly positioned by taking and comparing the following two measurements.

1. Measure the riser height from the top of the tank to the top of the riser. See **FIGURE 1**
2. Measure PWG position from monitor bottom to PWG bottom. See **FIGURE 2**.
3. Compare the two measurements. They must be:
 - PWG position must be within +/- 2" of riser height.

If either condition is violated, then move PWG up or down on probe wire using probe wire's extra positioning holes until previous conditions have been satisfied. To move PWG, slide o-rings off of guard, disconnect two halves, join them together at appropriate hole location, and slide o-rings back on.

Then continue with instruction 5 on page 1.



FIGURE 1



FIGURE 2

223-0106-000 Rev. B 7/16

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