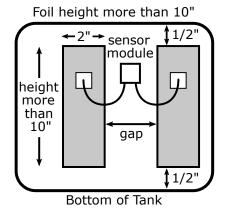# Installation Instructions for SCAD External Sensor for Plastic Tanks

Find more information at scadtech.com/TMHelp

1. Choose an area on the tank to mount the aluminum foil tape (supplied). Avoid areas near conductive objects such as metal objects or wiring harnesses.

2. Measure the height of the tank and cut two strips of aluminum tape that are each one inch shorter than the height of the tank. Tanks 10 inches or less require two additional strips. Flatten the strips.

3. The sensor strips should be positioned based on the foil height table and figures below. For foil heights 10 inches or less, use additional strips to increase the width overlapping by 1/2 inch. Clean the area for the strips with isopropyl alcohol and firmly press the strips onto the tank.

4. Choose an area to stick the sensor module based on the table and figures below. The sensor module can go anywhere along the height of the strip and can also be placed on top of the tank. It's preferred to place the module on a foil strip for foil heights 10 inches or less. Clean the area with isopropyl alcohol. Remove the plastic liner from the adhesive on the back of the sensor module and firmly stick the module to the tank.

5. Use isopropyl alcohol to clean areas on the foil strips to attach one module electrode on each strip. Remove the adhesive liner from the copper electrodes at the ends of the white wires and press them firmly onto the strips.

Component Placement Based on Foil Height (inches)

Height	6-8	8-10	10-12	12-14	14-20	20-24	>24
Width	3-3.5	3	2	2	2	2	2
Gap	1-1.5	1.5-1.75	1.5	1.75	2	2.5	2.5-3

Foil height more than 10"

Bottom of Tank

Foil hieght 10" or less

Bottom of Tank