



Radiation Products Design, Inc.

**Item 691-060 / 691-061
Motor Drive System
Operating Instructions**

1. Set-up the water tank and the motor drive unit and secure with the two tightening screws.
2. Connect the motor drive unit to the cable and connect the cable to the motor control box using the cable screws.
3. Attach the delrin chamber support rod onto the motor drive unit.
4. Install ion chamber into chamber holder and mount to the delrin chamber support rod.
5. Plug in the AC power.
6. Turn on the power, indicator light will illuminate.
7. Adjust motor speed on the motor control box to desired speed.
8. Using the momentary toggle switch on the side of the motor drive unit, move the ion chamber to the water surface.
9. Using the vertical depth scale on the motor drive unit record the ion chamber position; Keep this measurement for later verification.
10. On the motor control box press the re-set button to zero counter.
10. Take readings, using the up/down drive switch to move the ion chamber to the desired Depth position, complete all measurements.
12. Return ion chamber to zero position on the motor control counter.
13. Verify the ending ion chamber position using the vertical depth scale on the motor drive unit and compare to your original vertical scale reading.

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