

# Statim 7000

## Water Conductivity Circuit Calibration

1. Disconnect conductivity sensor wires (J4-3 & J4-4).
2. Using a wire, short together the float pins (J4-5 & J4-6).
3. Turn power switch ON while holding down Unwrapped and Wrapped buttons to enter **Service Mode**.
4. The **Service Mode** is password protected, enter password to continue, default password is: Unwrapped, Wrapped, Rubber and Plastics and Stop buttons pressed in this order.

### Keypad function at this time:

Unwrapped Key: Select next item in the menu  
Wrapped Key: Select previous item in the menu  
Rubber and Plastics Key: Enter current selection

5. Toggle through the menu selections using the keypad to reach **Conductivity Setup** and press the Rubber and Plastics key.
6. Display should be similar to the example below.

<b>CD=xx.xuS/NNN/y.yppm</b> <b>L R H=HH.H G=G.GG</b>
---

### Screen Representation

x.x	Water conductivity in uS (micro-Siemens)
NNN	Water conductivity in ADC (Analog to Digital converter) counts (0...255)
y.y	Water quality in ppm (parts per million)
L	"L" is displayed when float switch is activated, "-" when the float switch is not active
R	"R" is displayed when the Water Quality Sensor is active, "-" when the Water Quality Sensor is not active.
HH.H	High value threshold (Bad water threshold) <b>default 10uS</b> Values larger than this trigger "Bad water quality" error
G.GG	Water conductivity circuit gain <b>default 1.00</b>

**Note: Statim 7000 does not use the conductivity reading to trigger the "No Water, Refill Reservoir" message. There is a float sensor for that.**

7. By pressing the Rubber and Plastics Key the selection moves between H and G.
  8. Select "G" Water conductivity circuit gain (flashing value on the display), by pressing the Rubber and Plastics Key.
  9. Adjust G.GG value so the conductivity in ADC counts (NNN) shows **186±1 count**.
- Note: When the NNN value is 186±1 the G.GG value will be approximately 1.00.**
10. Press Stop Key to exit the Water Conductivity Mode and save displayed setting and enter normal mode of operation, "Select a Cycle" screen.

### Keypad functions in Conductivity Setup screen:

Unwrapped Key: Increase current field (flashing value on the display)  
Wrapped Key: Decrease current field (flashing value on the display)  
Rubber and Plastics Key: Move to next field  
Stop Key: Exit