



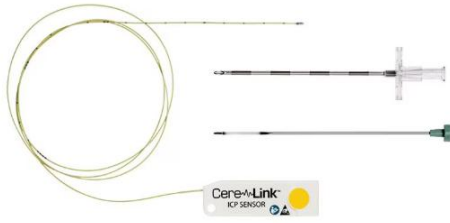

# Zeroing the CereLink Sensor DURING INSERTION



Zeroing the CereLink sensor refers to the process of calibrating the sensor to atmospheric pressure prior to insertion. **This process is only performed once - immediately prior to inserting the sensor into the head.** If this process is repeated AFTER insertion into the patient, the pressure would be reset to 0. From that point, all readings would be falsely low and cannot be corrected without replacing the sensor.

Scan QR or watch [video here](#)



| Steps   | Supplies  |
|---|---|
| <p><b>Insertion Supplies</b></p>  | <ul style="list-style-type: none"> <li><input type="checkbox"/> Hair clipper</li> <li><input type="checkbox"/> Line cart</li> <li><input type="checkbox"/> Sterile gowns</li> <li><input type="checkbox"/> Large sterile drape</li> <li><input type="checkbox"/> Sterile towels</li> <li><input type="checkbox"/> Local anesthetic</li> <li><input type="checkbox"/> Tegaderm dressing</li> <li><input type="checkbox"/> Ventricular Drainage Tray</li> <li><input type="checkbox"/> Hand Drill</li> <li><input type="checkbox"/> Drill Bits</li> <li><input type="checkbox"/> One ECG electrode (red dot)</li> </ul> |
| <p><b>CereLink ICP Monitor &amp; Charging Cord</b></p> <p>*When not in use the monitor must be kept plugged in.</p>   |   |
| <p><b>CereLink Extension Cable</b></p> <p>Note: the electrode cable that is new with this version. This must be connected to reduce artifact.</p> <p>One ECG electrode (red dot) is required.</p> |   |

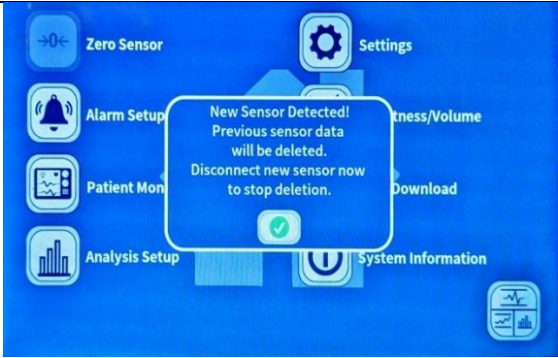

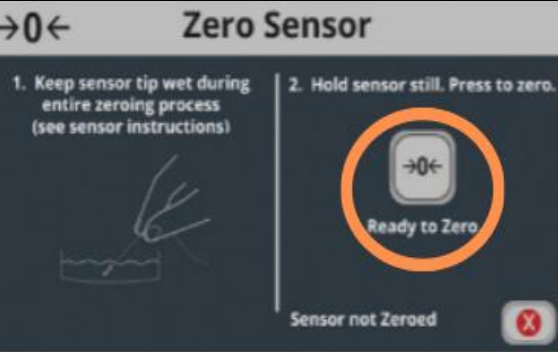
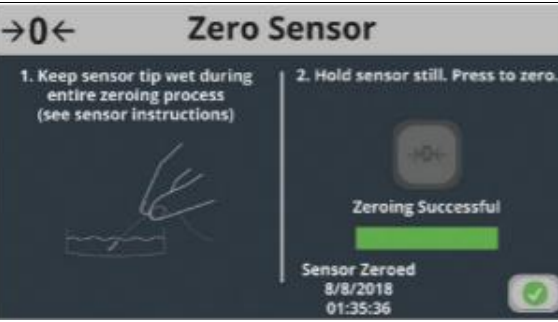
| Steps  | Supplies  |
|--|---|
| <p data-bbox="126 231 560 378"><b>CereLink ICP Sensor Basic Kit</b><br/>or<br/><b>CereLink ICP Sensor Ventricular Catheter Kit</b></p> <p data-bbox="110 577 576 808">Note: The CereLink kits are compatible with Codman Express and CereLink devices. However, once zeroed to either device, the sensor can only be used with this version of device.</p> |  <p data-bbox="600 420 1006 451">CereLink ICP Sensor Basic Kit</p>  <p data-bbox="600 819 1356 882">CereLink ICP Sensor Ventricular Catheter Kit (currently backordered)</p> |

## Appendix A: Where to find items in Bay 1



## Steps for Zeroing the CereLink Sensor

| # | Steps   | Image  | Notes  |
|---|---|--|--|
| 1 | If the CereLink has not already been synched to the Philips monitor, then follow the steps in the document “Synchronizing the CereLink Monitor”.        |  |  |
| 2 | Review procedural plans with Neurosurgeon and collect supplies.<br><br><a href="#">A Safety Pause should be performed prior to starting</a>             |  | Specialty supplies (i.e. Tuohy, drill, bits, and kits) can be obtained from Bay 1 stock room. See appendix for more information. |
| 3 | Turn on CereLink and ensure the blue and yellow cables are connected. The blue cable is connected to a pressure module.<br><br>Navigate to Home Screen. |    |  |
| 4 | Attach the single ECG electrode to the patient, to an area on skin that is clean, intact, and dry.  |  |  |
| 5 | Assist physician to prepare field and procedural tray.  |  |  |
| 6 | The physician will pass the distal end of the sensor to the nurse to connect to the yellow cable.   |  |  |

| #  | Steps  | Image  | Notes   |
|----|--|--|---|
| 7  | <p>An alert will appear that will ask you to confirm the deletion of data from the previous sensor. Press the checkmark to confirm and proceed.</p>  |    |   |
| 8  | <p>Once the sensor is connected to the yellow cable, press “Zero Sensor” on the screen.</p> <p>Reminder: Zero sensor is only chosen during insertion when the catheter is being held under water.</p>        |    |   |
| 9  | <p>The physician will then lay the tip of the sensor flat into a shallow pool of sterile water or sterile saline.</p> <p>Once the tip of the sensor is flat and still, press “Ready to Zero”.</p>            |   | <p>The CereLink is equipped to detect when the sensor is ready to be zeroed. If the sensor is moving or is already implanted, “Ready to Zero” will say “Not Ready” and the button will be greyed out. The sensor MUST be zeroed before insertion.</p> |
| 10 | <p>Once the zeroing process is complete, the screen will display the date and time of zeroing.</p> <p>Press the check mark to exit the zeroing screen.</p>   |  | <p>There is no reference number required for the CereLink.</p> <p>From this point, the CereLink sensor can only be used with CereLink monitoring devices.</p>   |
| 11 | <p>If preferred by the physician, disconnect the cable from the end of the ICP sensor. Ensure you maintain the sterility of the sensor.</p> <p>The physician will then proceed to insert the ICP sensor.</p> |  |   |