

Wind Sensor

WEATHERPAK™

KamLock Connector

Junction Box

Visibility Sensor

Tower Top

Tower Base

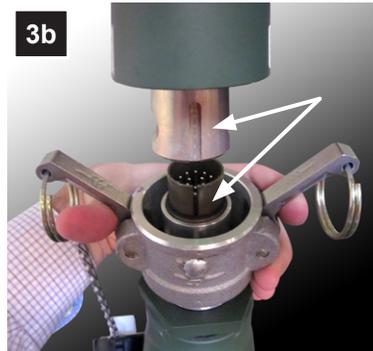
Power Supply (Battery Box)

Cloud Height Sensor (Ceilometer)

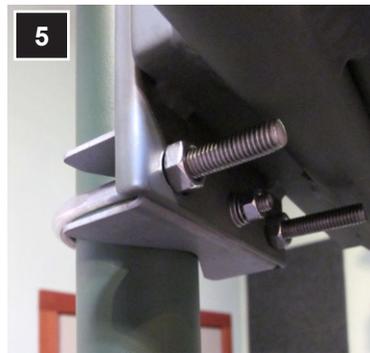
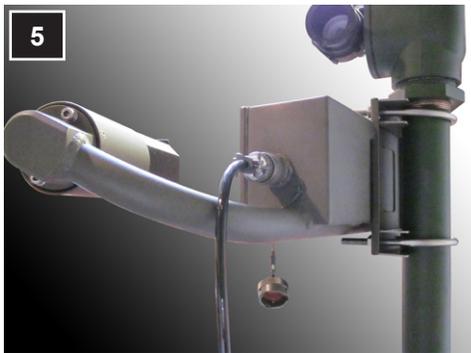
Rain Gauge

This is a generic overview of a portable WEATHERPAK™ 3 meter tripod set-up. Your system may not include all of the components listed, or may have different components. Please refer to the assembly documentation provided with your system or contact Coastal for assistance.

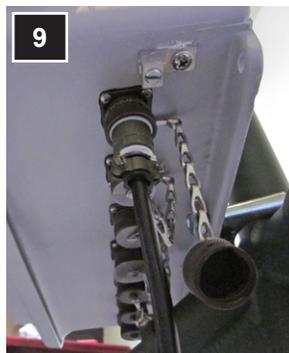
1. Select a level piece of ground about 4 meters in diameter. To avoid compass error, place the WEATHERPAK™ at least 30 meters, laterally, from any mass of steel (trucks, buildings, etc). In other words, mounting on top of a van is OK, but right next to it is not an ideal location.
2. Assemble the **lower tower section**: Insert the three legs into the tower base and secure with a turn clockwise, forming a tripod. Place the tripod in the center of the 4-meter diameter area.
3. Secure the WEATHERPAK™ to the **tower top**: Line up the slot on the WEATHERPAK™ bottom connector with the pin slot in the KamLock connector. Carefully, but firmly, seat the WEATHERPAK™ into the KamLock (the fit is precision-machined and may require an extra push). Push the arms of the KamLock clamp down to assure proper installation.



4. Place the entire unit (upper tower section and WEATHERPAK™) onto the tripod and turn clockwise to secure. Hand tighten the screw.



5. Mount the **Visibility Sensor** to the top tower section, just below the junction box.
6. Place the **Rain Gauge** on level ground near the tower, but with nothing over the top. Remove the top funnel from the sensor and verify that the tipping mechanism is able to move freely. Remove anything used to hold the tipping mechanism in place during shipping.
7. Place the **Cloud Height Sensor (Ceilometer)** on level ground near the tower.



8. Mount the **Power Supply (Battery Box)** to the lower tower using the clamps on the rear of the enclosure as shown.
9. Connect all **Sensor Cables** to the Power Supply (Battery Box) as shown in the **Wiring Diagram**. Tighten by hand.