NexSens Weather Sensor Buoy Mount Quick Start Guide

The NexSens Gill MaxiMet Weather Sensor Buoy Mount (CB-MXM-M) provides a stable, vertical extension above a CB-Series solar tower to create an obstruction-free environment for the weather sensor.

Installation

1. Route the GMX 600 cable through the grommet on top of the buoy solar tower, and thread the pole mount onto the pre-installed PVC base.

Figure 1: Top view of solar tower with routed GMX cable and pre-installed PVC base.

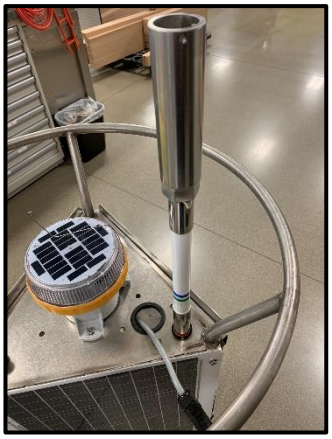

Figure 2: Top view of solar tower with attached CB-MXM-M.

2. Route the GMX 600 cable through the opening on the pole mount. Align the indexing key of the station connector with that of the cable.
    a. Once the pins are aligned, twist the connector until a slight click is felt.

Figure 3: Routed GMX cable through the opening on the pole mount.

Figure 4: Closer view of the connector on the GMX cable.

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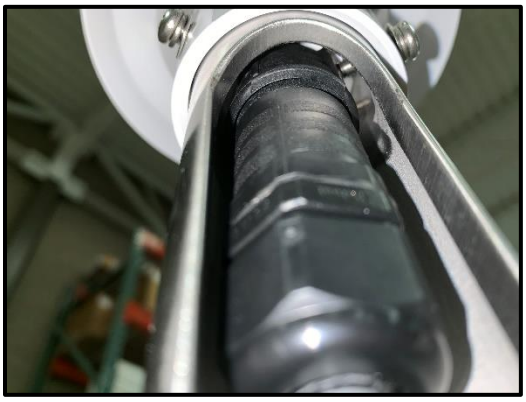
3. Place the GMX 600 onto the pole mount and place a #10 lock-washer and a #10 flat washer onto each of the 10-32 X 5/8" screws. Insert the screws into the three holes at the base of the MaxiMet sensor.

Figure 1: MaxiMet sensor mounted on the CB-MXM-M with screws inserted.

4. Use a Phillips head screwdriver to tighten down the screws until they are in gentle contact with the plastic cable connector within the mount.
    a. **Do not over-tighten** the screws or the connector could be damaged.

Figure 2: Internal view of the contact between the screws and the plastic Maximet connector. Screws should gently make contact with the connector.



5. Once the assembly is finished, zip ties should be used to tether the cable to the base of the mount to reduce pressure points.

6. Cable armoring should be installed at all locations where the sensor cable will contact an irregular surface- especially where the cable rests against the slotted stainless-steel mount.

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