

**EZ-48-3AB-125-35 Weather Station Mounting Tripod and Mast**  
**EZ-125-35M 35" Mast Extension (Optional)**  
**EZ-125-SK Stake Kit (Optional)**  
**EZ-46-3 Tar Pad Kit (Optional)**  
**EZ-GWA Guy Wire Kit (Optional)**

**EZ-48-3AB-125-35 Weather Station Mounting Tripod and Mast**



The EZ-48-3AB-125-35 Tripod assembly is constructed of 18 gauge 1008-10 steel tubing, galvanized using the Flo-Coat (zinc-chromate-polymer) process for excellent corrosion protection.

Ungalvanized leg braces, mast collars, & connecting components are gold irridited for corrosion protection.

Mast collars feature a captive "stop-nut" design, to eliminate lock nut spin when tightened; and a mast supporting cup for additional stability. The tripod base is 33" (85.8 cm).

Tripod height 33 inches (85.8 cm). Supplied with one mast for an assembly height of 53" inches (150.8 cm), and an adjustment range of 41 to 58 inches (106.6 to 150.8 cm).

Add up to two mast extensions to extend the height of 31" per mast extension.

Add the optional stake kit for moderate wind ground installation.

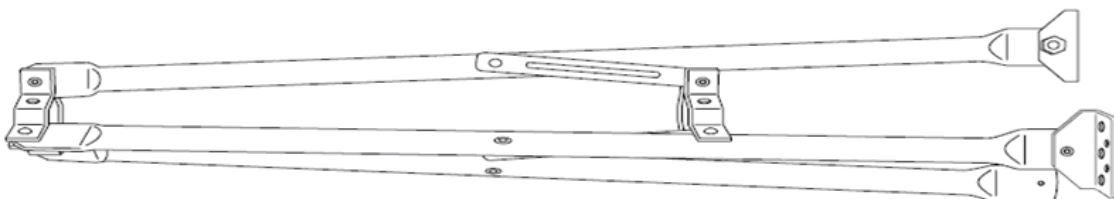
Add the optional tar pads for roof-top installations.

Add the optional guy wire kit for configurations with two extension poles, or for locations that experience sustained periods of high wind.

**Figure 1**

**Components**

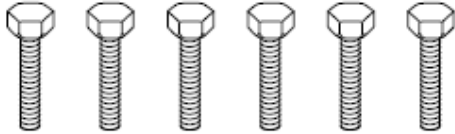
The EZ-48-3AB-125-35 Tripod assembly includes the following components.



Mounting Tripod 33" x 33" x 33"



Mast (mounting pole) 36"



6 5/16" Bolts (already assembled to the Mounting Tripod)

**Figure 2**

### Tools and Materials Needed

- Adjustable Wrench
- Level or Plumb
- Drill

Unfold the tripod so the installed pads are flat on the ground.

### Important Installation Instructions

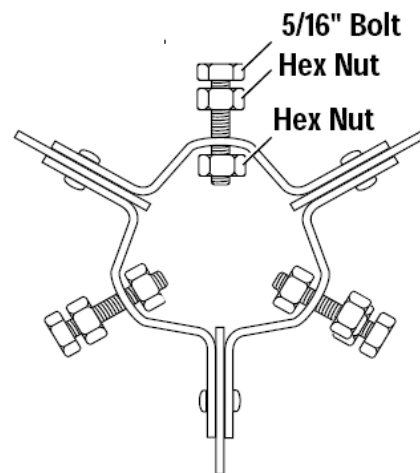
**CAUTION:** Improper installation of the mounting tripod to your roof top may result in leaks. We recommend a licensed roofing specialist for evasive installations.

**CAUTION:** Any metal object may attract a lightning strike, including your weather station and tripod.

Never install your weather station in a thunderstorm.

We recommend properly grounding the tripod to avoid extensive damage to the weather station and structure. Consult a licensed electrician or local lightning detection expert prior to installing a ground wire.

### Tripod Installation



**Figure 3**

Reference Figure 3. Insert the mounting pole into the center of the two collars. Secure the mast by tightening the hex nuts on the 5/15" bolts until the bolts hold the mast in place securely. Make sure the mast is level.

### **EZ-125-35M 35" Mast Extension (Optional)**



Galvanized 1-1/4 inch (3.25 cm) O.D., 35 inch (89 cm) long steel post with one end crimped for insertion into another post of the same O.D.

Made of 18 gauge 1008-10 steel tubing, galvanized using the Flo-Coat (zinc-chromate-polymer) process for excellent corrosion protection.

When used with the EZ-48-3AB-125-35 Mast assembly, this extension will raise the anemometer to a height of 84 inches, with an effective adjustment range of 72 to 89 inches (187.2 to 231.4 cm).

**Figure 4**

### **Mast Extension Installation**



**Figure 5**

Reference Figure 5. Insert the swaged end of the mast extension into the mounting tripod mast and tighten so the extension does not rotate.

Repeat this step for additional mast extensions (maximum two is recommended).

### EZ-125-SK Stake Kit (optional)



The stake kit consists of 3- 12 7/8" bolts, solid steel spikes with a welded cap on one end. The spikes are designed to be driven into soil, through holes provided in the Tripod foot pads. This installation technique effectively anchors the tripod in light to moderate wind, or serves as a temporary installation method. If high winds are anticipated, or a permanent tripod installation is required, it is recommended that the tripod be connected to a concrete pad or other permanent base using bolts and guy-wires.

**Figure 6**

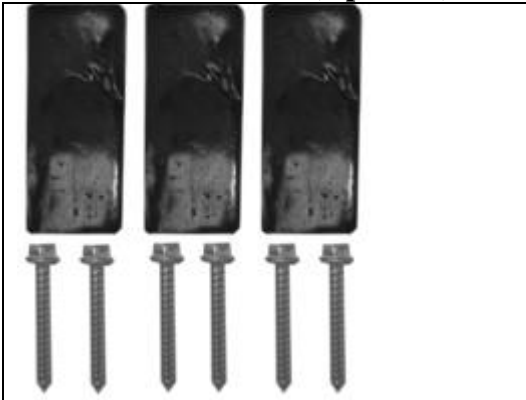
all the way into the ground to secure the tripod and mast assembly.

Installation Note – for high wind locations, place concrete cinder blocks on top of each of the foot brackets.

### Stake Kit Installation

Insert the three ground stakes into the three foot bracket holes. With a hammer, drive the stakes

### EZ-46-3 Tar Pad Kit (Optional)



Apply the pitch pads to each leg of the Mounting Tripod for roof mount installations.

Includes 3- 3" Tar pads, 6 1/4-20 Lag screws

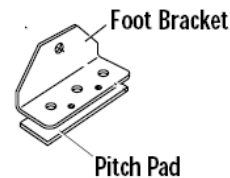
**Figure 7**

### Tar Pad Kit Installation (Optional)

Note – Improper installation of the mounting tripod to your roof top may result in leaks. Use a licensed roofing specialist for evasive installations.

Reference Figure 9. Mount the tripod and mast on the desired pitched or flat surface.

For pitched roof applications, place the pitch pad in between the mounting feet and the roof surface (Figure 8).



**Figure 8**

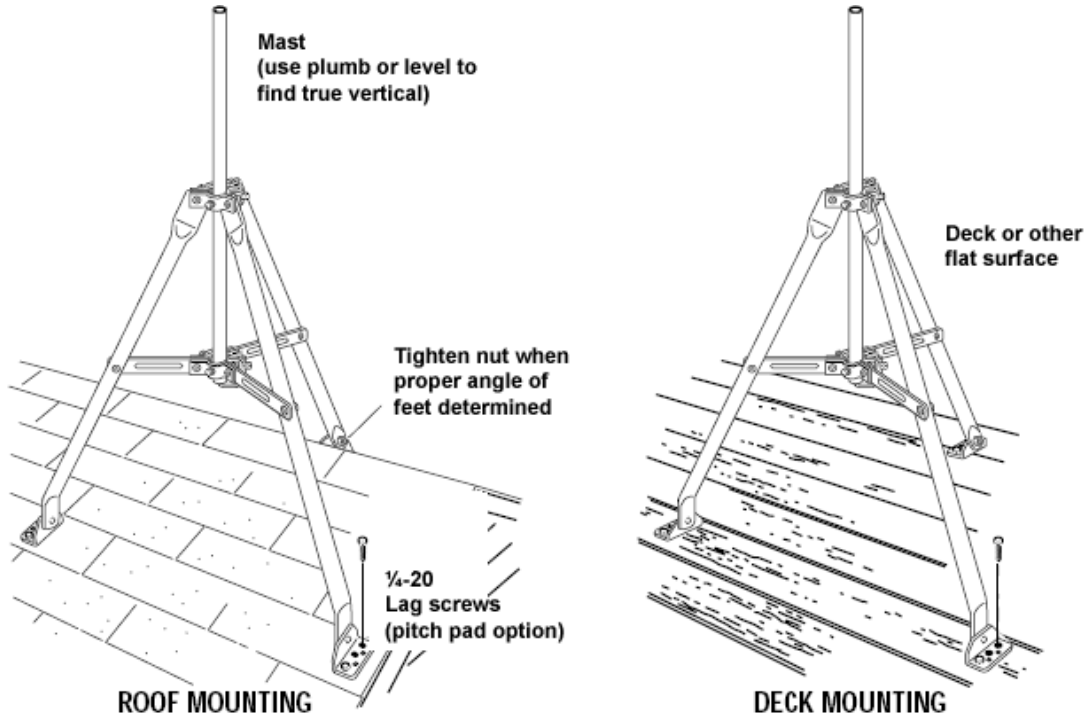


Figure 9

**EZ-GWA Guy Wire Kit (Optional)**

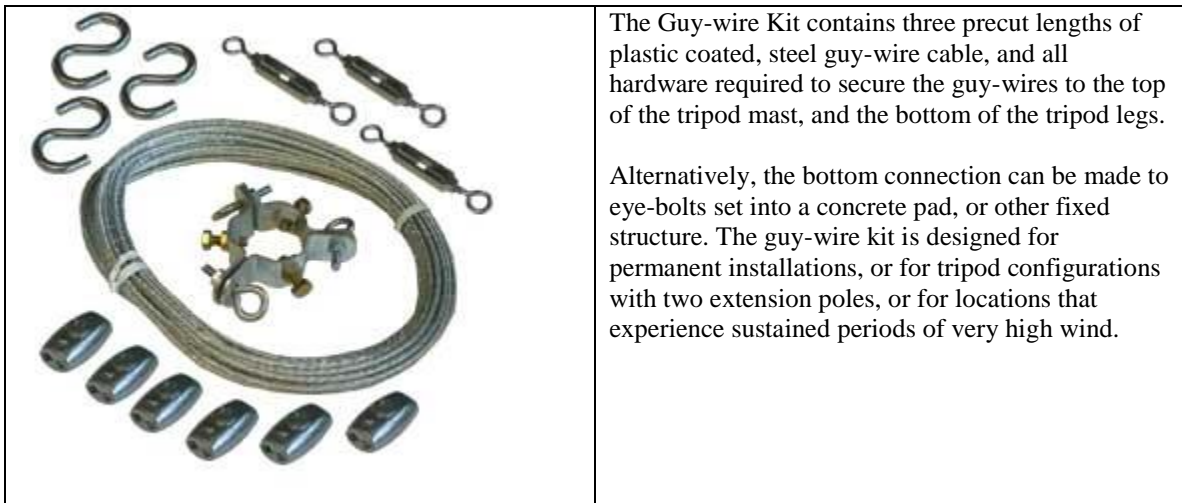


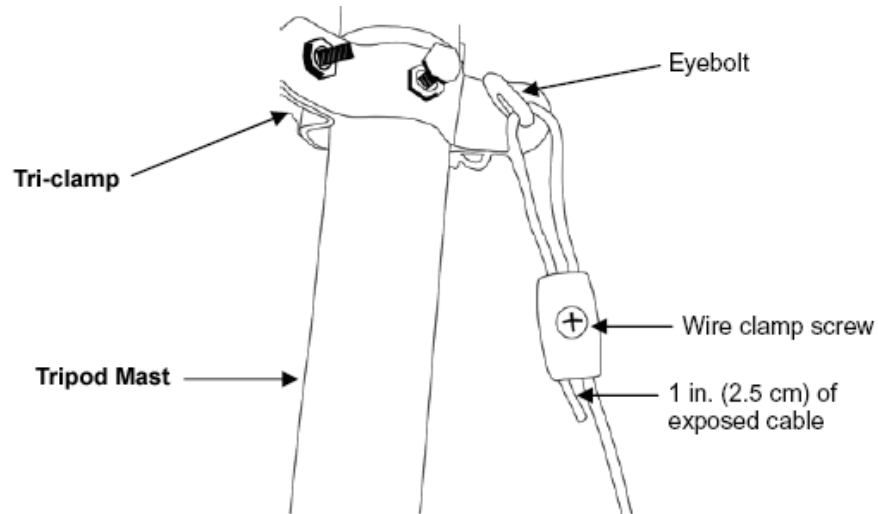
Figure 10

**Guy Wire Kit Installation (Optional)**

For areas with winds greater than 50 mph, use the guy wire kit and stake kit to reduce vibration.

Reference Figure 12. Attach the tri-clamp to the top of tripod mast. Secure the mast by tightening the hex nuts on the 5/15" bolts until the bolts hold the tri-clamp in place securely. Orient the eyebolts on the tri-clamp so they align with each tripod foot EZ-125-SK stake.

Attach one end of the guy wire cable to one eyebolt on the tri-clamp. Open the wire clamp by loosening the screw on it. Place the clamp over the wire and tighten. Leave 1 inch of wire protruding from the clamp.



**Figure 11**

Hook one "S" hook and one turnbuckle on the corresponding stake (Figure 12) or leg (Figure 13).

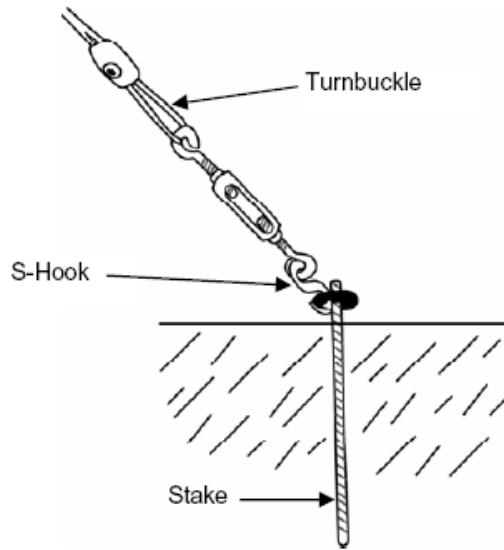
Cut the guy wire cable so that it can be put through the loose end of the turnbuckle and the wire clamp. Make sure each turnbuckle is extended as shown in Figure 12 and Figure 13 before feeding the cable through.

Install the hooks, turnbuckles and cables onto the other two stakes or tripod legs.

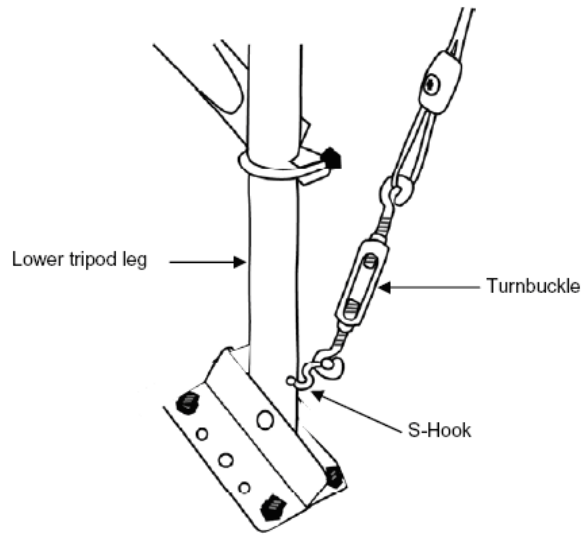
Tighten the three guy wires evenly by turning the turnbuckles.

Attach a post level on the upper mast to maintain the mast at vertical.

The guy wires should be taunt when the installation is complete.



**Figure 12**



**Figure 13**