

Sturdy, long-term instrument mount

Overview

The UT10 is an aluminum, corrosion-resistant tower that provides a 10 ft (3 m) crossarm height. This general-purpose tower supports the attachment of sensors, mounts, solar panels, antennas, and environmental enclosures. The UT10 includes a lightning and grounding rod, grounding cables, grounding-cable clamps, hinged base, and UV-resistant cable ties. A J-bolt kit is used to secure the base to the concrete pad. This kit is ordered as an option so it can be ordered separately and shipped before the rest of the tower.

The UT10 is used as a sturdy, long-term instrument mount for a variety of applications. It can be augmented with mounts (e.g., CM204, CM220, CM225) that allow attachment of meteorological sensors such as wind sets, pyranometers, and temperature/relative humidity probes. Other meteorological sensors such as barometers, soil temperature and moisture probes, and rain gages can also be used with a UT10-based station.



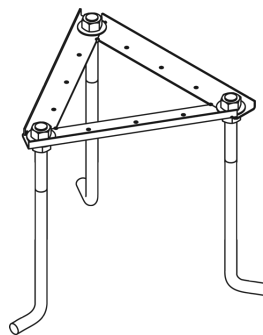
Ordering Information

Tower

UT10 10 ft Tower with adjustable mast and grounding kit

J-Bolt Kit Options (choose one)

- NJ** No J-bolt Kit. Base is secured to a concrete pad using J-bolt kit purchased separately.
- J** J-Bolt Kit containing hardware for securing hinged base to a concrete pad. The J-bolts are imbedded in the concrete pad.



If the J-bolt kit is ordered separately, it can be shipped before the rest of the tower making the parts available when the concrete pad is poured.

Specifications

- › Material: Hardened Aluminum
- › Leg Spacing: 26 cm (10.25 in.) between legs (center to center)
- › Wind Load Recommendation^a: 177 km/h (110 mph) maximum
- › Required Concrete Pad Dimensions^b: 61 x 61 x 61 cm (24 x 24 x 24 in)
- › Weight: 17.2 kg (38 lb)
- › Height: 3 m (10 ft)

Crossarm Height (attached to mast)

- › Standard: 3 m (10 ft)
- › Maximum (mast fully extended): 3.7 m (~12 ft)
- › Minimum: 2.7 m (~9 ft)

Pipes Outer Diameter (OD)

- › Vertical: 2.5 cm (1 in.)
- › Cross Support: 0.953 cm (0.375 in.)

Notes:

^aWind load recommendation assumes proper installation, proper anchoring, adequate soil, and total instrument projected area of less than 0.19 m² (2 ft²). The amount of wind load that this mount can withstand is affected by quality of anchoring and installation, soil type, and the number, type, and location of instruments fastened to the tower.

^bConcrete pad requirements assume heavy soil; light, shifting, or sandy soils require a larger concrete pad.



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