



Overview

Campbell Scientific's UT10 is an aluminum, corrosion-resistant tower that provides a 10 ft (3 m) crossarm height (see specifications). This general-purpose tower supports the attachment of sensors, mounts, solar panels, antennas, and environmental enclosures. A lightning and grounding rod, grounding cables, grounding cable clamps, hinged base, J-bolts, and UV-resistant cable ties are included with 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 gauges can also be used with a UT10-based station.

Benefits and Features

› Sturdy, long-term instrument mount

› Base and grounding kit included

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.

	<p>Sales & Support: (435) 755-0774 http://www.inmtn.com info@inmtn.com</p>
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