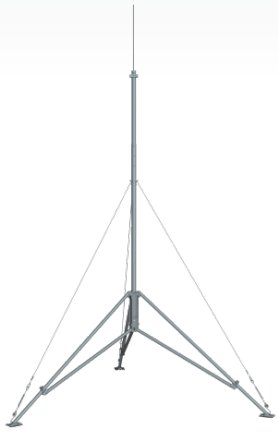
CAMPBELL SCIENTIFIC
WHEN MEASUREMENTS MATTER

CM106B

7 to 10 ft Galvanized-Steel-Tubing Tripod with Grounding Kit



Light, Adjustable, Rugged

Galvanized tubing is light, strong, and corrosion-resistant

Overview

The CM106B is an adjustable tripod made of galvanized steel tubing. It is adjustable from 7 to 10 ft. Because the CM106B is made from tubing, it is lighter than our older tripods (CM6 and CM10), which are made with pipe. The CM106B is a general-purpose tripod designed for permanent or temporary installations. It can be used for mounting sensors, solar panels, antennas, and instrument enclosures.

The CM106B can ordered with an optional black powder-coated finish. This finish helps with reflections when using the CM106B to mount solar radiation sensors or other light-sensitive sensors.

Benefits and Features

- Support for meteorological sensors, hydrological sensors, sensor mounts, solar panels, environmental enclosures
- Portable instrument mount
- Lightning and grounding rods, grounding cables, grounding cable clamps, ground stakes, and UV-resistant cable ties included
- Enclosures can be mounted on tripod leg, as well as mast
- Enclosures mount higher on the leg for easier access
- Easy to assemble

Detailed Description

The CM106B is constructed with individually adjusted legs that allow installation over uneven terrain. Height of the mast is 2.1 m (7 ft), or 3 m (10 ft) with the mast extended.

The CM106B includes lightning and grounding rods, grounding cables, UV resistant cable ties, and stakes for securing the tripod feet to the ground. An optional guy kit is recommended for sites that may experience high wind speeds. (See Allowable Wind Speeds in the Specifications.) Instrument enclosures can be purchased with mounting brackets that attach to either the mast or leg base.

The CM106B can be used for a variety of applications. For meteorological stations, sensors are mounted to the tripod using mounting brackets appropriate for the model of sensor. For nonmeteorological applications, the tripod can be used to mount instrument enclosures, solar panels, junction boxes, or antennas.

Specifications

Vertical Load Limit	200 kg (440 lb)
Leveling Adjustment	Slide collars on each leg adjust individually.
Maximum Slope Angle	45° or 100% grade
Measurement Height	❱ 3 to 3.7 m (10 to 12.3 ft) with upper mast extended ❱ 2.1 to 2.8 m (7 to 9.3 ft) with upper mast retracted
Leg Base	11.43 x 13.97 cm (4.5 x 5.5 in.) with four 1.58 cm (0.62 in.) holes for stakes
Collapsed Diameter	20.3 cm (8 in.)
Collapsed Length	1.83 m (6 ft)
Main Lower Mast Outer Diameter	48 mm (1.90 in.)
Retractable Upper Mast Outer Diameter	44 mm (1.74 in.)
Base Diameter	2.7 to 3.5 m (8.7 to 11.5 ft)
Weight	24.5 kg (54 lb) with mast

Maximum Allowable Sustained Wind

-NOTE-	*Allowable sustained wind and wind gust values assume the following:* ❱ *Sensors (effective area = 1.4 ft^2) at top of mast* ❱ *Solar panel (10.5 in. x 16.5 in.) at mast base* ❱ *Enclosure (14 in. x 16 in.) mounted to leg* ❱ *Guy wires attached to mast at 3.8 ft above tripod body* ❱ *Adequate ground anchors (stakes alone may not resist foot vertical pullout force)*
Mast Extended	❱ 28 m/s (62 mph) unguyed ❱ 45 m/s (102 mph) guyed
Mast Retracted	❱ 36 m/s (80 mph) unguyed ❱ 55 m/s (122 mph) guyed

Maximum Allowable Wind Gust

-NOTE-	*Allowable sustained wind and wind gust values assume the following:* ❱ *Sensors (effective area = 1.4 ft^2) at top of mast* ❱ *Solar panel (10.5 in. x 16.5 in.) at mast base* ❱ *Enclosure (14 in. x 16 in.) mounted to leg* ❱ *Guy wires attached to mast at 3.8 ft above tripod body* ❱ *Adequate ground anchors (stakes alone may not resist foot vertical pullout force)*
Mast Extended	❱ 59 m/s (132 mph) guyed ❱ 36 m/s (81 mph) unguyed
Mast Retracted	❱ 71 m/s (159 mph) guyed ❱ 46 m/s (104 mph) unguyed