



CM120

20 ft Stainless-Steel Tripod with Grounding and Guy Kit



Strong, Tilting Mast

Easy to set up and take down

Overview

The CM120 is a 20 ft instrumentation tripod that supports the attachment of sensors, mounts, solar panels, and environmental enclosures. Constructed from stainless steel, the CM120 is easier to transport to remote locations. The

tripod can be deployed in uneven terrain and at varying heights. To facilitate sensor attachment, the tripod mast pivots at the leg junction.

Benefits and Features

- › Strong and lightweight
- › Most joints are locked with pins that are simple to insert and remove
- › Individually-adjustable legs allow installation over uneven terrain
- › Includes grounding kit

Technical Description

The CM120 is used as a portable instrument mount in a variety of applications. For meteorological applications, tripods augmented with mounts support the attachment of sensors such as wind sets, pyranometers, and temperature/relative humidity probes. Barometers, soil temperature and moisture probes, and rain gages are also used with tripod-based weather stations. For nonmeteorological applications, tripods can provide a portable instrument mount for enclosures and a mounting point for antennas.

UV-resistant cable ties, grounding kit, and six spikes for the tripod feet are included with the CM120.

Two duckbill anchor kits are offered for securing the guy wires (see Ordering Information). Duckbill anchors are not required to use the guy-wire kits. Without them, the guy wires are run from the mast to the feet of the tripod. Duckbill anchors are recommended for areas subjected to higher winds. They allow the guy wires to be anchored at points beyond the feet, thereby increasing the rating of the tripod for higher winds.

The stainless-steel version of the CM120 began shipping in March 2007. Previous versions were made of aluminum.

Specifications

Material	304 stainless steel
Vertical Load Limit	45 kg (100 lb)

Mast Sections	3
Base Diameter	2 m (7 ft) with legs extended

Insert Outer Diameter	4.45 cm (1.75 in.)
Height	6 m (20 ft) with mast insert
Dimensions	15 x 15 x 145 cm (6 x 6 x 57 in.) for collapsed tripod
Shipping Weight	21 kg (46 lb)

Mast

Outer Diameter	4.8 cm (1.9 in.)
Pipe Size	3.81 cm (1.5 in.) IPS
Length	› 4.3 m (14.0 ft) without insert › 5.5 m (18.0 ft) with insert

Wind Load Recommendation

-NOTE-

This recommendation assumes the guy wire anchors are able to hold at least 1.8 kN (400 lbf).

Sustained Wind	› 68 kph (42.25 mph) guyed at feet › 104.6 kph (65 mph) guyed at 60°
Gust Tolerance	› 88.92 kph (55.25 mph) guyed at feet › 136.8 kph (85 mph) guyed at 60°

Tote Bag

Diameter	20 cm (8 in.)
Length	152 cm (60 in.)

For comprehensive details, visit: www.campbellsci.eu/cm120-tripod 



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