



Quick-Deploy Tripod

Lightweight, easily transportable, and easy to set up and take down

Overview

The QST6 is a lightweight, adjustable aluminum tripod designed to be easily transportable and quickly set up for temporary installations. It is a general-purpose tripod for

mounting sensors, solar panels, antennas, and instrument enclosures.

Benefits and Features

- › Lightweight and compact for transporting
- › Quick and easy to set up and take down
- › Minimal tools necessary for setup
- › No loose parts to lose

Technical Description

The QST6 tripod mast is adjustable up to 1.83 m (6 ft) in height, and the angle of each leg can be adjusted to aid in leveling. It includes a grounding kit. Optional items are stakes to anchor the feet and a guy kit. Sensors and equipment may be mounted to the mast or to a small crossarm. See the Specifications section for load and wind ratings.

You have the option of either a soft or hard carrying case that includes space for other equipment, such as sensors.

Wind Load Recommendation

The optional guy kit is typically attached to the top of the mast and the feet of the tripod. This increases mast rigidity, but the weak point for wind load is in anchoring the feet to the ground. Guy wires may also be anchored using a pn 33832 earth screw anchor independent of the feet to significantly increase the tip-over wind speed.

Specifications

Tripod Height	<ul style="list-style-type: none"> › 170.3 cm (67.1 in.) for Hole C › 145.1 cm (57.1 in.) for Hole F › 164.4 cm (64.7 in.) for Hole D › 158.7 cm (62.5 in.) for Hole E › 174.5 cm (68.7 in.) for Hole B › 179.5 cm (70.7 in.) for Hole A 	<ul style="list-style-type: none"> › <i>Note: Height includes the two mast sections that come with the tripod. Add 63.5 cm (25 in.) height per additional mast.</i>
Base Diameter	<ul style="list-style-type: none"> › 130.6 cm (51.4 in.) for Hole D › 139.0 cm (54.7 in.) for Hole E › 103.0 cm (40.5 in.) for Hole A › 112.5 cm (44.3 in.) for Hole B 	

	<ul style="list-style-type: none"> › 123.4 cm (48.6 in.) for Hole C › 148.6 cm (58.5 in.) for Hole F
Mast Outer Diameter	4.8 cm (1.9 in.)
Mast Pipe Size	1.5 in. IPS sch 10
Leg Length	66.0 cm (26 in.)
Dimensions	71.1 x 20.3 x 20.3 cm (28 x 8 x 8 in.) when folded
Weight	4.1 kg (9 lb) for the default 2-mast version; each additional mast section contributes 0.68 kg (1.5 lb)

Wind Load Recommendation

-NOTE-

This recommendation assumes the following: 4 mast sections, 8 x 10 enclosure 0.3 m (1 ft) from base, 20 W solar panel as close to the base as possible, ClimaVUE™50 on top, soil class 3, 4, and 5.

Tip over or Pull out Strength (of screw anchors into feet)	<ul style="list-style-type: none"> › 74.0 kph (46 mph) for Hole A › 104.6 kph (65 mph) for Hole F
Maximum Vertical Load	22.7 kg (50 lb) excluding guy wire load
Guy Wire Tension	27.2 kg (60 lb)
Maximum Wind Load	<ul style="list-style-type: none"> › 128.7 kph (80 mph) guyed › 128.7 kph (80 mph) unguyed

For comprehensive details, visit: www.campbellsci.eu/qst6 



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