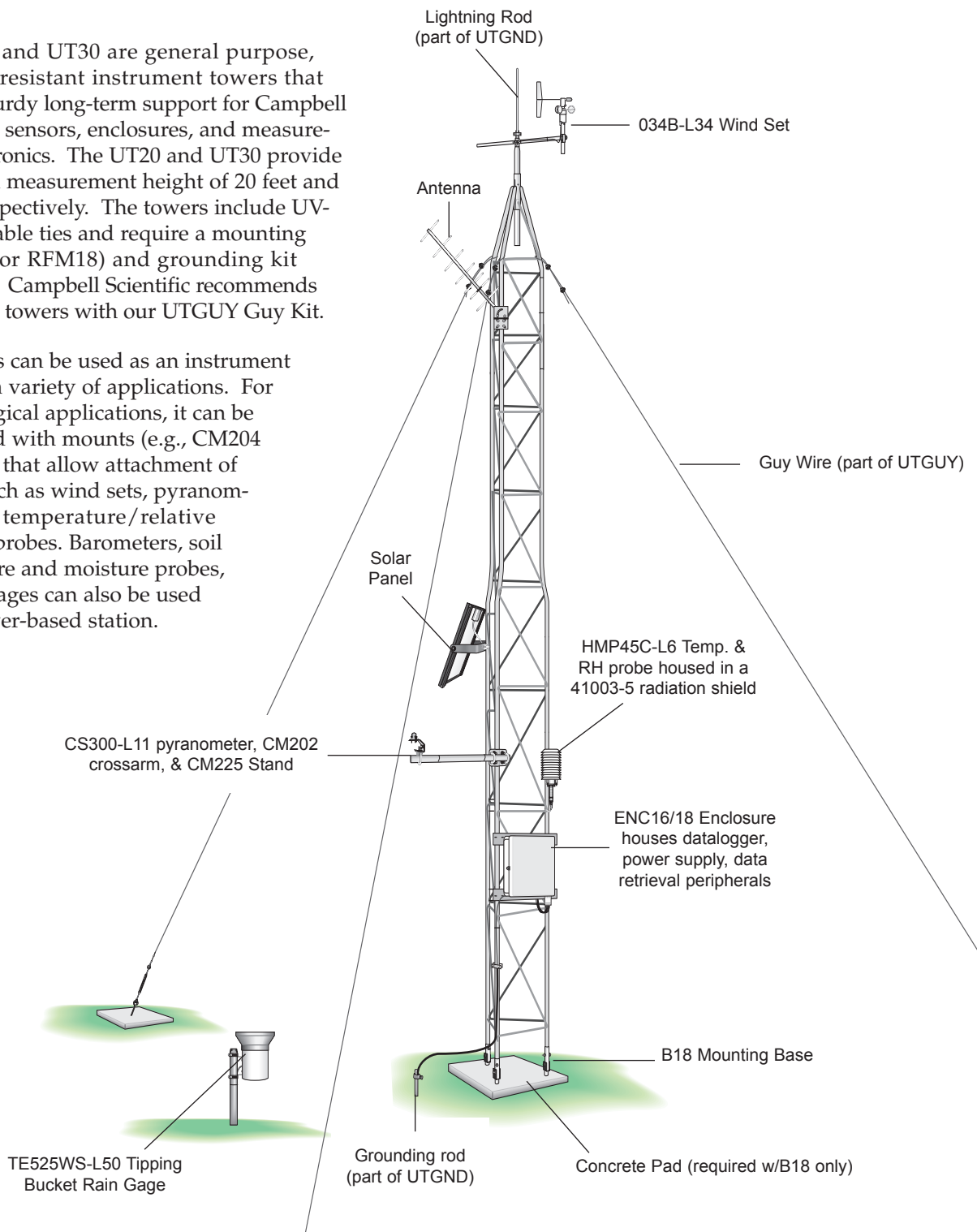


# Instrumentation Towers

## Models UT20 & UT30

The UT20 and UT30 are general purpose, corrosion-resistant instrument towers that provide sturdy long-term support for Campbell Scientific's sensors, enclosures, and measurement electronics. The UT20 and UT30 provide a crossarm measurement height of 20 feet and 30 feet, respectively. The towers include UV-resistant cable ties and require a mounting base (B18 or RFM18) and grounding kit (UTGND). Campbell Scientific recommends guying the towers with our UTGUY Guy Kit.

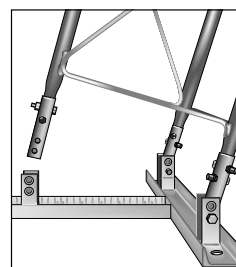
The towers can be used as an instrument mount in a variety of applications. For meteorological applications, it can be augmented with mounts (e.g., CM204 Crossarm) that allow attachment of sensors such as wind sets, pyranometers, and temperature/relative humidity probes. Barometers, soil temperature and moisture probes, and rain gages can also be used with a tower-based station.



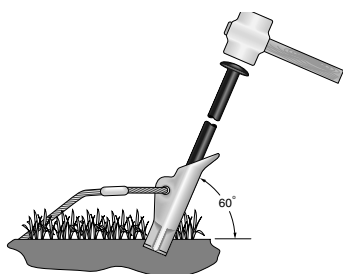
*UT20 shown; all items purchased separately. Other sensors are compatible; consult Campbell Scientific for details. Refer to the Instrumentation Mounts product literature for information about our mounting options.*

## Ordering Information

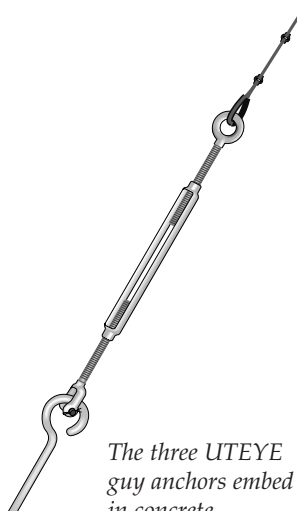
UT20	Universal 20 ft Instrument Tower & Adjustable Mast
UT30	Universal 30 ft Instrument Tower & Adjustable Mast
B18	Concrete Mounting Base for UT20 or UT30
RFM16	Flat Roof Mounting Base for UT20 or UT30
UTGUY	Tower Guy Kit (requires either the UTEYE or UTDUK)
UTEYE	Eyebolt Anchors for UTGUY
UTDUK	Duckbill Anchors for UTGUY
UTGND	Tower Grounding Kit



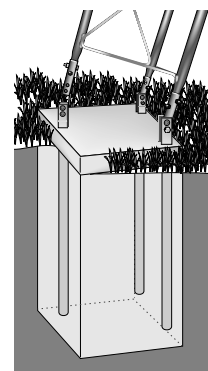
Use the RFM16 to mount the tower on a roof.



The UTDUK's drive bar is used to drive the Duckbill guy anchors in the soil.



The three UTEYE guy anchors embed in concrete.



The B18's stakes embed in a concrete pad.

## Specifications

	UT20	UT30
Height	20 ft (6 m)	30 ft (10 m)
Shipping weight	50 lbs (23 kg)	65 lbs (29 kg)
Material	hardened drawn 6063-T832 aluminum	hardened drawn 6063-T832 aluminum
Vertical pipe OD	1" (2.5 cm)	1" (2.5 cm)
Cross support pipes OD	0.375" (0.953 cm)	0.375" (0.953 cm)
Guyed tower area requirements	~11.5 ft radius	~17 ft radius
Required concrete pad dimensions for B18 Concrete Mounting Base (see note 2)	36"L x 36"W x 48"D (91 x 91 x 122 cm)	36"L x 36"W x 48"D (91 x 91 x 122 cm)
Maximum wind load recommendations (see note 3)	110 mph (B18 base); 110 mph (RFM18 base w/UTGUY)	110 mph (B18 base); 100 mph (RFM18 base w/UTGUY)

### Notes:

1. Refer to the "Instrumentation Mounts" product literature for crossarm, solar radiation mounts, and radiation shield options.
2. The concrete pad requirements assume heavy soil; light, shifting, or sandy soils require a larger concrete pad.
3. The wind load recommendation assumes proper installation, proper anchoring, turnbuckles preloaded just enough to equalize tension, total instrument projected area of less than 2 square feet, and guyed at 60 degree angle relative to the ground (maximum).

