

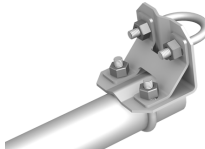



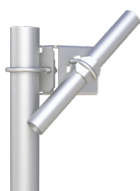
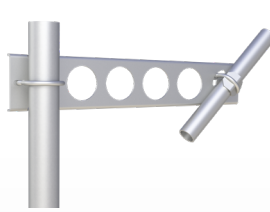
General Mounts

Mounts applicable to a variety of sensors and peripherals

*Rugged, Reliable, and Ready
for any Application*



MAJOR SPECIFICATIONS

		Description	Compatible Sensors or Peripherals ^a	Mounts to
CM220 Right-Angle Mounting Bracket		Consists of a bracket and two 1.5-inch U-bolts. Weight: 0.29 kg (0.65 lb) Dimensions: 6 x 6 x 8 cm (2.25 x 2.25 x 3 in)	Sensors/peripherals with 0.75-inch-to-1-inch IPS (1-inch-to-1.5-inch OD) pipe mount, which includes: • most wind sensors • 52202 electric heated rain gage	<ul style="list-style-type: none"> • CM200-series aluminum crossarms • CM202SS/CM204SS stainless-steel crossarms • user-supplied 0.75-inch-to-1-inch IPS pipe (1-inch-to-1.5-inch OD)
1049 0.75-inch-by-1-inch NU-RAIL Crossover Fitting		Consists of two ovoid segments oriented at a 90° angle. One segment accepts 0.75 inch IPS pipe (1.05 inch OD) and the other segment accepts 1 inch IPS pipe (1.315 inch OD)	Sensors/peripherals with 0.75 inch IPS (1.05 inch OD) pipe mount, which includes: • 03101 anemometer • 014A anemometer • 27106T vertical anemometer • 17992 GPS antenna	<ul style="list-style-type: none"> • CM200-series aluminum crossarms • user-supplied 1.0 inch IPS pipe (1.32 inch OD)
17953 1-inch-by-1-inch NU-RAIL Crossover Fitting		Consists of two ovoid segments oriented at a 90° angle. Both segments accept a 1 inch IPS pipe (1.315 inch OD).	Sensors/peripherals with 1.0 inch IPS (1.32 inch OD) pipe mount, which includes: • 024A wind vane • 034B wind sensor • 03002 wind sensor • Wind Monitors (05103, 05305, 05108, 05108-45)	<ul style="list-style-type: none"> • CM200-series aluminum crossarms • user-supplied 1.0 inch IPS pipe (1.32 inch OD)
1017 0.75-inch-by-0.75 inch NU-RAIL Crossover Fitting		Consists of two ovoid segments oriented at a 90° angle. Both segments accept a 0.75 inch IPS pipe (1.05 inch OD)	Sensors/peripherals with 0.75 inch IPS (1.05 inch OD) pipe mount, which includes: • 03101 anemometer • 014A anemometer • 27106T vertical anemometer • 17992 GPS antenna	<ul style="list-style-type: none"> • user-supplied 0.75 inch IPS pipe (1.05 inch OD)
CM230 Adjustable Inclination Mount		Slots allow adjustment to any angle from horizontal to vertical. Withstands 150 mph wind with ice. Weight: 0.34 kg (0.75 lb) Dimensions: 7.6 x 9.5 x 8.9 cm (3 x 3.75 x 3.5 in)	<ul style="list-style-type: none"> • Directional (Yagi) antennas • Sensors that are pointed at a specific target (SI-111SS, SR50A) 	<ul style="list-style-type: none"> • CM200-series aluminum crossarms • CM202SS/CM204SS stainless-steel crossarms • user-supplied 0.75-inch-to-1-inch IPS pipe (1-inch-to-1.5-inch OD)
CM230XL Adjustable Inclination Mount, Extended Length		Slots allow adjustment to any angle from horizontal to vertical. Longer length places antenna or sensor away from mast or pole. Withstands 150 mph wind. Weight: 0.61 kg (1.35 lb) Width: 7.6 cm (3 in) Length: 47 cm (18.5 in)	<ul style="list-style-type: none"> • Directional (Yagi) antennas • Sensors that are pointed at a specific target (SI-111SS, SR50A) <p>Sensor/antenna weight limits:</p> <ul style="list-style-type: none"> • <11 kg (24 lb) if attached to a mast • <4 kg (9 lb) if attached to a crossarm and CM230XL is positioned horizontally. 	<ul style="list-style-type: none"> • CM200-series aluminum crossarms • CM202SS/CM204SS stainless-steel crossarms • user-supplied 0.75-inch-to-1-inch IPS pipe (1-inch-to-1.5-inch OD)



	Description	Compatible Sensors or Peripherals ^a	Mounts to
CM235 Magnetic Mounting Stand 	Consists of a 9-cm-by-9-cm (3.5-inch-by-3.5-inch) platform, mounting bracket, and mounting hardware. Weight: 0.32 kg (0.7 lb) Dimensions: 8.9 x 11.4 x 6.4 cm (3.5 x 4.5 x 2.5 in)	Devices with a magnetic base, which includes: <ul style="list-style-type: none"> • GPS16X-HVS Geographic Position Receiver • GPS antennas • short-range omnidirectional antennas 	U-bolt in bottom holes: <ul style="list-style-type: none"> • CM200-series aluminum crossarms • CM202SS/CM204SS stainless-steel crossarms U-bolt in side holes: <ul style="list-style-type: none"> • tripod or tower mast • user-supplied 0.75-inch-to-1-inch IPS pipe (1-inch-to-1.5-inch OD)
CM216 Apex Sensor Mount for Stainless-Steel Tripod Mast Consists of pipe with adapter 	Extends 10 cm (4 in) above the mast <u>Pipe Size</u> 0.75 in. to 1 in. IPS <u>Outer Diameter</u> 2.67 cm (1.05 in) to 3.34 cm (1.315 in)	Sensors/peripherals with 0.75-inch IPS (1-inch OD) or 1-inch IPS (1.32-inch OD) pipe mount, which includes: <ul style="list-style-type: none"> • most wind sensors^b • 52202 electric heated rain gage 	Top of a CM106B, CM110, CM115, or CM120 stainless-steel tripod or CM300, CM305, or CM310 mounting pole
30626 3/4 inch IPS or GPS Antenna Mounting Stand 	Consist of: <ul style="list-style-type: none"> • Base: 14-gage cold-rolled steel, powder-coated black • 1.9 cm (0.75 in) IPS threaded aluminum pipe fitting and spacer • Stainless-steel U-bolt and washers, brass nuts Overall dimensions: 8.89 x 5.48 x 8.89 cm (3.5 x 2.157 x 3.5 in)	<ul style="list-style-type: none"> • 17992 GPS antenna • 30741 Iridium antenna • Other antennas with 3/4 inch IPS mounting threads 	<ul style="list-style-type: none"> • CM200-series aluminum crossarms • CM202SS/CM204SS stainless-steel crossarms • user-supplied 0.75-inch-to-1-inch IPS pipe (1-inch-to-1.5-inch OD)

^aRetired sensor/peripherals may also be compatible. Contact Campbell Scientific for more information.

^bA lightning rod cannot be used when the CM216 attaches a Wind Monitor or a 03002 Wind Sentry atop the tripod's mast. Therefore the CM216 is only recommended for mounting a Wind Monitor or 03002 if the deployment is short-term.