

Solar Radiation Sensor Mounts

Sturdy, level platforms for solar radiation sensors



Solar radiation sensor mounts attach to tripods or towers, while providing a sturdy, level platform for pyranometers, quantum sensors, and radiometers. Some solar radiation sensors may also require a leveling base that incorporates a bubble level and three adjusting screws to level the sensor.

18356

Apogee Pyranometer Leveling Base



The 18356 leveling base, manufactured by Apogee Instruments, is required to attach the CS300 or SP230 pyranometer to our CM225 solar sensor mounting stand. The 18356 levels the sensor in the horizontal plane, helping to ensure accurate solar radiation measurements. The 18356 uses a bubble level and three adjustable leveling screws to level the sensor.

CM225

Solar Sensor Mounting Stand



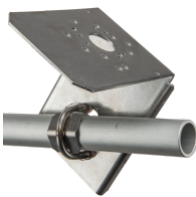
The CM225 attaches one pyranometer or quantum sensor to a mast, crossarm, or pole (1.5 in. OD). Many pyranometers and quantum sensors also require a levelling base that secures the sensor to the CM225 as well as level the sensor.

The CM225 consists of a rectangular plate, mounting bracket, U-bolts, lock washers, and nuts.

Note: In the image, the CM225 is shown attached to a CM200-series crossarm.

CM255

Solar Adjustable-Angle Mounting Stand



The CM255 is used for most applications that require mounting a solar sensor at adjustable angles. The CM255 is designed to work with masts, crossarms, or poles that are 1.0 to 1.5 in. OD. It is not designed for applications using a rotating shadowband radiometer (RSR).

CM265

Adjustable Solar Sensor
Mounting Kit for Circular
Torque Tubes



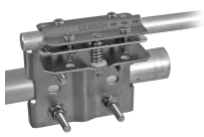
The CM265 is a fully adjustable pyranometer mounting kit. It has been specifically designed for the limited space near the end cap of circular torque tubes, and it can be used with any other 12.7 cm (5 in.) diameter tube. The CM265 can be ordered with a standard top plate (same as CM255LS) for use with most common pyranometers or with a top plate designed for the VU01 ventilation unit.

The process of securely mounting and accurately leveling a pyranometer to a mounting bracket has traditionally been very difficult. The balance between tightly securing the sensor to the mounting bracket while perfectly leveling the sensor requires great time, skill, and fortitude. Without a secure fit, the sensor's position will shift, and the sensor's level will potentially be lost. The process is made even more difficult when the sensor is to be mounted on a single axis tracker torque tube to enable plane of array measurement.

The CM265 is an adjustable-angle mounting stand. The installation technician can now securely bolt the sensor to the mount. Then, using the sensor's bubble level as a reference, the technician levels the plane of the mount by adjusting the CM265's built-in leveling bolts.

NR Sensor Mount

Net Radiation Sensor
Mounting Kit



Campbell Scientific created an improved mounting kit for the net radiometers we offer. The kit, part number 26120, replaces mounting kit numbers 19455 and 14264. It performs better in dry or salty environments, and it is designed to work in some configurations where the previous models did not. The 26120 is a more universal mounting kit that can be used with the NR-LITE, CNR2, or CNR4.

For comprehensive details, visit: www.campbellsci.eu/solar-radiation-mounts-old 



80 Hathern Road, Shepshed, LE12 9GX UK | +(0)1509 828888 | sale@campbellsci.co.uk | www.campbellsci.eu
AUSTRALIA | BRAZIL | CANADA | CHINA | COSTA RICA | FRANCE | GERMANY | INDIA | SOUTH AFRICA | SPAIN | THAILAND | UK | USA

© 2020 Campbell Scientific, Ltd. | 03/30/2020