

# INSTRUCTION MANUAL



## *CM10 and CM6 Tripod*

Revision: 11/90

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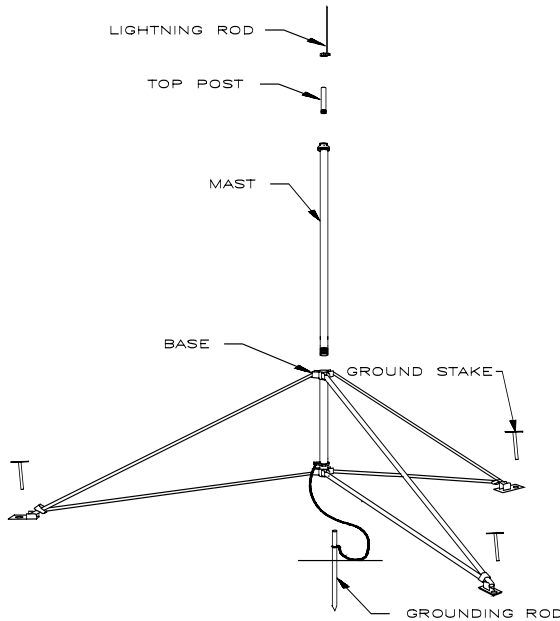
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# CM10 AND CM6 TRIPOD

## 1. GENERAL

The CM10 and CM6 Tripods are general purpose instrument mounts. They are designed to provide sturdy support for common sensors, enclosures, and antennas.

The CM10 is a 10 ft. adjustable tripod, and the CM6 is a 6 ft. adjustable tripod.



**FIGURE 1. CM10/CM6 Tripod Assembly Drawing**

## 2. CM10 SPECIFICATIONS

- Height  
10 ft. (variable)
- Weight  
70 lbs.
- Vertical Load Limit  
100 lbs.
- Mast  
1 1/4 in. I.D. pipe
- Tripod Base Diameter  
Up to 10' (Adjustable)
- Leveling Adjustment  
Individual leg slide collars
- Leg Base  
2" x 5" with 1/2" ground stake hole
- Portability  
Collapsible to 6' length x 9" dia.

## 3. CM6 SPECIFICATIONS

- Height  
6 ft. (variable)
- Weight  
45 lbs.
- Vertical Load Limit  
100 lbs.
- Mast  
1 1/4 in. I.D. pipe
- Tripod Base Diameter  
Up to 6' (Adjustable)
- Leveling Adjustment  
Individual leg slide collars
- Leg Base  
2" x 4" with 1/2" ground stake hole
- Portability  
Collapsible to 4' length x 9" dia.

## 4. ASSEMBLY

The CM10/CM6 is assembled as shown in Figure 1. The bolts on the leg's slide collars must be loosened before the tripod will unfold. Accessories for the tripods are shown in Figure 2. Following are the accessories for the tripods which may be purchased separately:

- 019ALU Sensor Crossarm Mount
- 015 Pyranometer Mounting Arm
- 025 Pyranometer Crossarm Stand
- 41004-5 12 Plate Gill Radiation Shield for 207 Probe
- 41002-2 12 Plate Gill Radiation Shield for HMP35C
- 41301-5 6 Plate Gill Radiation Shield

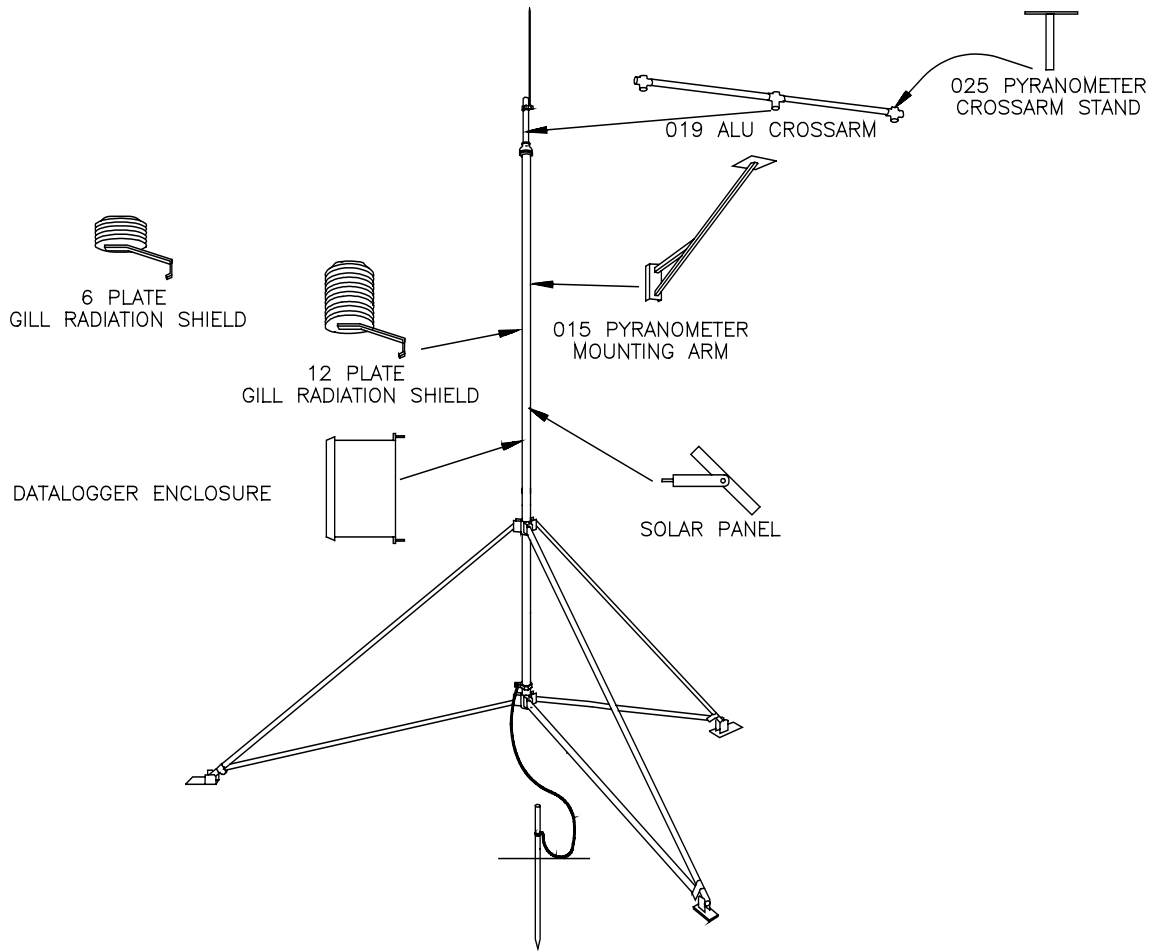
The 019ALU Crossarm connects to the tripod top post for mounting sensors such as pyranometers and wind sensors. The 015 Pyranometer Mounting Arm is used for mounting a pyranometer when both ends of the 019ALU Crossarm are used for other sensors. The 025 Pyranometer Crossarm Stand is the alternative pyranometer mount when only one end of the 019ALU Crossarm is being used for other sensors.

The 12 Plate 41004-5 and 41002-2 and the 6 Plate 41301-5 Gill Radiation Shields are housings for temperature and relative humidity sensors. The naturally ventilated shields eliminate radiation loading of the sensors. The

## CM10 AND CM6 TRIPOD

size of the sensor determines whether a 12 plate or 6 plate shield is required.

The rain gauge is usually placed away from the tripod on a separate post or pipe, which is not provided.



**FIGURE 2. CM10/CM6 Tripod with Additional Accessories**



## **Campbell Scientific Companies**

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### **Campbell Scientific, Inc. (CSI)**

815 West 1800 North  
Logan, Utah 84321  
UNITED STATES  
www.campbellsci.com  
info@campbellsci.com

### **Campbell Scientific Africa Pty. Ltd. (CSAf)**

PO Box 2450  
Somerset West 7129  
SOUTH AFRICA  
www.csafrica.co.za  
sales@csafrica.co.za

### **Campbell Scientific Australia Pty. Ltd. (CSA)**

PO Box 444  
Thuringowa Central  
QLD 4812 AUSTRALIA  
www.campbellsci.com.au  
info@campbellsci.com.au

### **Campbell Scientific do Brazil Ltda. (CSB)**

Rua Luisa Crapsi Orsi, 15 Butantã  
CEP: 005543-000 São Paulo SP BRAZIL  
www.campbellsci.com.br  
suporte@campbellsci.com.br

### **Campbell Scientific Canada Corp. (CSC)**

11564 - 149th Street NW  
Edmonton, Alberta T5M 1W7  
CANADA  
www.campbellsci.ca  
dataloggers@campbellsci.ca

### **Campbell Scientific Ltd. (CSL)**

Campbell Park  
80 Hathern Road  
Shepshed, Loughborough LE12 9GX  
UNITED KINGDOM  
www.campbellsci.co.uk  
sales@campbellsci.co.uk

### **Campbell Scientific Ltd. (France)**

Miniparc du Verger - Bat. H  
1, rue de Terre Neuve - Les Ulis  
91967 COURTABOEUF CEDEX  
FRANCE  
www.campbellsci.fr  
campbell.scientific@wanadoo.fr

### **Campbell Scientific Spain, S. L.**

Psg. Font 14, local 8  
08013 Barcelona  
SPAIN  
www.campbellsci.es  
info@campbellsci.es