The CM10K Tripod Kit can be used to assemble a 6 foot or 10 foot tripod equivalent to Campbell Scientific’s preassembled CM6 and CM10 Tripods. The kit significantly reduces shipping weight and costs by providing only tripod parts that cannot be easily obtained from machine shops and retail hardware suppliers. The user is required to provide several lengths of threaded galvanized pipe to complete the assembly.

1. TRIPOD KIT ASSEMBLY

Figure 1-1 shows a fully assembled CM10 Tripod with the CM10 Guy Kit. The CM6 is shorter but similar in appearance and has no guy kit option. Figure 1-2 shows a view of a tripod indicating parts supplied by Campbell Scientific (solid) and parts the user must supply (dashed). Numbered arrows correspond to item numbers in Tables 1-1, 1-2, and 1-3. Items in Table 1-1 are supplied in the CM10K Tripod Kit. Items in Tables 1-2 and 1-3 must be supplied by the user.

FIGURE 1-1. CM10 Tripod
FIGURE 1-2. Tripod Items
1.1 CM10K KIT ITEMS

Table 1-1 lists items that are shipped with the CM10K Tripod.

<table>
<thead>
<tr>
<th>Item #</th>
<th>CSI Part #</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>850</td>
<td>Lightning Rod</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>1201</td>
<td>Slide Collar</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>1013</td>
<td>Lightning Rod Clamp</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>795</td>
<td>1/4-20 Nut</td>
<td>14</td>
</tr>
<tr>
<td>5</td>
<td>1183</td>
<td>Bell Reducer</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>794</td>
<td>1/4-20 x 1 3/4 Screw</td>
<td>12</td>
</tr>
<tr>
<td>7</td>
<td>75</td>
<td>5/16-18 x 3/4 Screw</td>
<td>3</td>
</tr>
<tr>
<td>8</td>
<td>5226</td>
<td>1/4-20 x 1/2 Screw</td>
<td>2</td>
</tr>
<tr>
<td>9</td>
<td>10838</td>
<td>Foot</td>
<td>3</td>
</tr>
<tr>
<td>10</td>
<td>10850</td>
<td>Center Bracket</td>
<td>1</td>
</tr>
<tr>
<td>11</td>
<td>4429</td>
<td>Grounding Lug</td>
<td>2</td>
</tr>
</tbody>
</table>

1.2 USER SUPPLIED ITEMS

If a six foot tripod (CM6) is to be assembled, obtain sections of pipe as listed in Table 1-2. The pipe must be cut and prepared according to drawings and specifications in Figures 1-3, 1-4, 1-5, and 1-6.

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>CM6/CM10 Crossarm Mount</td>
<td>1</td>
</tr>
<tr>
<td>13</td>
<td>CM6 Upper Body</td>
<td>1</td>
</tr>
<tr>
<td>14</td>
<td>CM6 Upper Leg Ext. 3/4 Pipe</td>
<td>3</td>
</tr>
<tr>
<td>15</td>
<td>CM6 Lower Leg Ext. 3/4 Pipe</td>
<td>3</td>
</tr>
</tbody>
</table>

If a ten foot tripod (CM10) is to be assembled, obtain sections of pipe as listed in Table 1-3. The pipe must be cut and prepared according to drawings and specifications in Figures 1-3, 1-7, 1-8, and 1-9.

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>CM6/CM10 Crossarm Mount</td>
<td>1</td>
</tr>
<tr>
<td>16</td>
<td>CM10 Upper Body</td>
<td>1</td>
</tr>
<tr>
<td>17</td>
<td>CM6 Upper Leg Ext. 3/4 Pipe</td>
<td>3</td>
</tr>
<tr>
<td>18</td>
<td>CM6 Lower Leg Ext. 3/4 Pipe</td>
<td>3</td>
</tr>
</tbody>
</table>
FIGURE 1-3. CM6 / CM10 Tripod Crossarm Mechanical Drawing

FIGURE 1-4. CM6 Upper Body Mechanical Drawing
FIGURE 1-5. CM6 Upper Leg Mechanical Drawing

FIGURE 1-6. CM6 Lower Leg Mechanical Drawing
FIGURE 1-7. CM10 Upper Body Mechanical Drawing

FIGURE 1-8. CM10 Upper Leg Mechanical Drawing
FIGURE 1-9. CM10 Lower Leg Mechanical Drawing
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