PMF01
Pyranometer mounting fixture – practical, small footprint -

PMF01 is a metal bracket that helps mounting pyranometers on a vertical mast, horizontal crossarm, flat wall or a fence. It allows for horizontal as well as tilted (Plane of Array) orientation. With its small footprint, in particular when combined with small footprint pyranometers such as SR30 and SR15, PMF01 reduces snow build-up; snow will simply drop off. PMF01 is compatible with all Hukseflux pyranometers.

Introduction

PMF01 is a practical metal bracket that helps mounting pyranometers on a vertical mast, horizontal crossarm, flat wall or a fence. It allows for horizontal as well as tilted (Plane of Array) orientation. The use of PMF01, compatible with all Hukseflux pyranometers, is easy. Its spring-loaded central bolt allows easy mounting and levelling. With its small footprint, in particular when combined with small footprint pyranometers such as SR30, PMF01 reduces problems with snow build-up; snow will simply drop off.

Advantages

· quick installation
· easy levelling using spring-loaded bolt
· for mounting pyranometers on horizontal and vertical tubes, on platforms, both horizontal and in Plane of Array

Suggested use

· meteorological observations
· PV monitoring

Figure 1 PMF01 pyranometer mounting fixture

Figure 2 PMF01 pyranometer mounting fixture can be used for easy installations of a pyranometer, in this case SR30, in Plane of Array for PV system performance monitoring and meteorological applications

Figure 3 PMF01 dimensions in x 10^{-3} m
PMF01 design
PMF01 is a robust and versatile pyranometer mounting fixture, made of anodised aluminium. Its spring-loaded bolt allows easy mounting and levelling of all pyranometers. Its small footprint and 0 to 90 ° tilt angle ensure quick installation, horizontally or in Plane of Array, on either a vertical mast, horizontal crossarm or on a platform, in any climate and weather.

PMF01 specifications
<table>
<thead>
<tr>
<th>Instrument compatibility</th>
<th>SR30, SR25, SR22, SR20, SR15, SR12, SR11, SR05, SR03, and LP02 pyranometers; SR05 ball leveling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tilt angles</td>
<td>0 to 90 °</td>
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<tr>
<td>Material</td>
<td>anodised aluminium</td>
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<tr>
<td>Rated operating temperature range</td>
<td>-40 to +80 °C</td>
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<tr>
<td>Included parts</td>
<td>bracket; 1 x M6 central spring loaded bolt; 4 x M5 bolt; 2 x tube clamp</td>
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</tbody>
</table>

Other mounting options:
There are other mounting options available for SR30, SR15 and SR05. They allow for simplified mounting, levelling and instrument exchange on a flat surface or a tube.

See also
- SR30 and SR15 pyranometers with spring-loaded and tube levelling mount
- SR05 second class with ball levelling and tube mount
- view our complete range of solar sensors

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