



HUKX

Sensor
Technology

Brochure

For Hukx pyranometers, pyrgeometers
and net radiometers

**Mounting
accessories**

Mounting accessories

For Hukx pyranometers, pyrgeometers and net radiometers

Hukx offers a full range of practical brackets for mounting, leveling, and electrically insulating pyranometers. We make installation and leveling easy. Our most popular mounting accessories are:

- spring-loaded or ball pyranometer leveling (major time saver for the OEM crew)
- optional version electrically insulates the pyranometer body from the mounting structure below it
- mounting brackets for vertical masts, horizontal crossarms, and flat walls
- mounting fixtures to construct albedometers



Pyranometer leveling and electrical insulation

The most common way to mount a pyranometer is on a horizontal crossarm. For Class A and B pyranometers SR300-D1, SR200-D1, and SR100-D1, a spring-loaded leveling and tube mounting solution is available. If these instruments must be electrically insulated from their mounting platform (recommended for long cabling to improve surge protection), the PID01 Insulation Disk can be used. For the Class C model SR05, there is a ball leveling and tube mounting solution.

Unique features:

- small footprints: no accumulation of snow
- quick and easy spring-loaded leveling—no complicated bolts to unlock

See also:

- [SR300-D1](#), [SR200-D1](#), and [SR100-D1](#) pyranometer manual
- [SR05](#) pyranometer manual
- [SR20](#) pyranometer manual
- [PID01](#) Pyranometer Insulation Disk brochure

Figure 1 The most common pyranometer mounting accessories for Class A and B pyranometers.

Table 1 Accessories for leveling and electrical insulation.

Pyranometer leveling / electrical insulation				
part	sensor compatibility	function	may be combined with	figure (see last page)
LM01 spring-loaded leveling mount	SR300, SR200, SR100, SR30, SR20, SR15, IR20	practical mount for easy mounting, spring-loaded leveling, and instrument exchange on flat surfaces	TLM01 , PMF01 , and PFM02 mounting fixtures	1
TLM01 spring-loaded tube leveling mount	SR300, SR200, SR100, SR30, SR20, SR15, IR20	connecting LM01 to a tube	LM01 is included	1
PID01 Pyranometer Insulation Disk	SR300, SR200, SR100, SR30, SR20, SR15	electrically insulating disc for insulating the pyranometer housing from its mounting platform, spring-loaded leveling	PMF01 and PFM02 mounting fixtures	2
BL01 ball leveling	SR05	for leveling of SR05	PMF01 and PFM02 mounting fixtures	3
TMBL01 tube mount with ball leveling	SR05	for mounting BL01 and SR05 on a tube	BL01 is included	3
SF01 static feet, set of 3	SR300, SR200, SR100, SR30, SR15	for tilted installation of the instrument, for example in Plane of Array (POA), thermal insulation of the instrument from the mounting platform	PMF01 and PFM02	2
LF01 2 x adjustable leveling feet and 1 x static foot	SR300, SR200, SR100, SR30, SR15	for horizontal leveling of the instrument, thermal insulation of the instrument from the mounting platform	LM01 , PID01 , PMF01 and PFM02	2

Mounting fixtures

Hukx offers a complete range of practical pyranometer mounting fixtures. PMF series brackets allow for easy installation and leveling of Hukx pyranometers, whether on a vertical mast, horizontal crossarm, wall, or fence. They can also be used in Plane of Array (POA) single or dual setup and with or without a ventilation unit. You name it, Hukx has you covered!

- [PMF01](#): for single pyranometers
- [PMF01](#): for ventilated pyranometer with VMA01
- [PMF02](#): for 2 pyranometers, one horizontal for Global Horizontal Irradiance (GHI) and one tilted for POA irradiance
- spring-loaded bolts for easy leveling included

See also:

- [PMF01](#), [PFM02](#), and VMA01 brochures

Table 2 Accessories for mounting.

Pyranometer mounting fixtures				
part	sensor compatibility	function	may be combined with	figure (see last page)
PMF01 pyranometer mounting fixture	1 x SR300, SR200, SR100, SR30, SR20, SR15, SR05, SR05 with BL01, IR02, IR20	mounting fixture for 1 pyranometer, horizontal or tilted (GHI or POA), level with spring-loaded bolt, optionally in combination with electrical insulation	PID01 , BL01 , VMA01	8
PFM02 dual pyranometer mounting fixture	2 x SR300, SR200, SR100, SR30, SR20, SR15, SR05 with BL01, IR02, IR20	mounting fixture for 2 pyranometers, 1 x horizontal (GHI) and 1 x tilted (POA), level with spring- loaded bolts, optionally in combination with electrical insulation	PID01 , BL01 , Rose & Krieger clamps	4

Albedometer mounting fixtures

Hukx offers a practical range of mounting and leveling fixtures to construct albedometers from its popular pyranometers. We make installation and leveling easy.

Our albedometer fixtures are simple to use. They allow the user to combine two separate pyranometers to create an albedometer. All that is needed are two mechanically compatible pyranometers and the kit.

A glare screen is also included. At solar elevations of $< 5^\circ$, (when the sun is just above the horizon), the glare screen prevents direct solar radiation from being measured by the downfacing sensor.

ALF01 is an optional leveling tool that can be used with albedometers to easily level the instrument. ALF01 is mounted on a crossarm, and can be rotated around the tube axis for full 360° and tilted over $\pm 2^\circ$.

See also:

– [AMF02](#), [AMF03](#), and [ALF01](#) brochures

Table 3 Accessories for albedometers.

Albedometer fixtures				
part	sensor compatibility	function	may be combined with	figure (see last page)
AMF03 albedometer mounting fixture	2 x SR300, SR200, SR100, SR30, SR15	combining an upward- and downward-facing pyranometer to construct an albedometer, includes a rod and glare screen	ALF01 , CMF01 (with 1 inch pipe)	5
AMF02 albedometer mounting fixture	2 x SR20, IR20	combining an upward- and downward-facing pyranometer to construct an albedometer, includes a rod and glare screen	ALF01 , CMF01 (with 1 inch pipe)	7
ALF01 albedometer leveling tool	SRA albedometers	albedometer leveling around the crossarm axis and for 2° tilt, crossarm not included	AMF03 , AMF02 , CMF01 (with 1 inch pipe)	6, 7

Crossarm mounting fixture

CMF01 is a practical mounting fixture for mounting a crossarm. The purpose of the crossarm is to mount radiometers on a mast.

See also:

- [CMF01](#) brochure

Table 4 Miscellaneous accessories.

Crossarm fixture / ventilator mounting				
part	sensor compatibility	function	may be combined with	figure (see last page)
CMF01 crossarm mounting fixture	NR01, RA01	connection of a crossarm to a mast	AMF02 , AMF03 , ALF01	7
VMA01 ventilation mounting adapter	SR20 with VU01	to install pyranometers ventilated with VU01 on PMF01	PMF01	-

Ventilator mounting fixture

With the addition of VMA01, a VU01 ventilation unit can also be mounted on PMF01.

See also:

- VMA01 in PMF brochure
- [VU01](#)



Figure 2 TLM01 tube mount and spring-loaded leveling (including LM01).



Figure 3 The PID01 Pyranometer Insulation Disk. On the right, SR300-D1 mounted on a PID01. Also visible: one SF static foot and one LF leveling foot.



Figure 4 The Class C model SR05 is smaller than the Class A and B pyranometers and has slightly different mounting and leveling. The optional ball leveling and tube mount, TMBL01 (including BL01), allow for easy installation, leveling, and removal.



Figure 7 The ALF01 albedometer leveling tool.

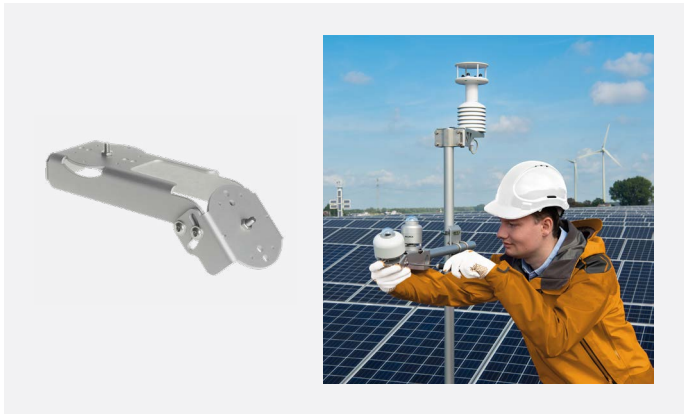


Figure 5 Two SR200-D1 pyranometers on a PMF02 dual pyranometer mounting fixture; one tilted for Plane of Array (POA) measurement and the other mounted horizontally for Global Horizontal Irradiance (GHI) measurement.



Figure 8 Installation of one AMF02 albedometer mounting kit and two SR20 pyranometers, mounted with one ALF01 leveling fixture on a crossarm with crossarm bracket CMF01.

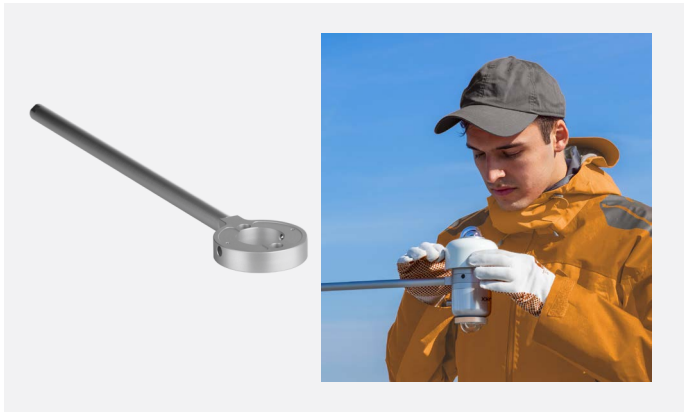


Figure 6 The SRA300-D1 is composed of one AMF03 and two SR300-D1 pyranometers.



Figure 9 SR30-M2-D1 mounted on a PMF01 pyranometer mounting fixture.

About Hukx

Hukx is the leading innovator in solar radiation and heat flux sensor technology. We are proud to set the standard in high-accuracy measurement, and to be working at the heart of the energy transition.

Customers worldwide rely on our bestselling pyranometers and heat flux sensors. From sensor design and selection to supply and recalibration, we support you across the entire lifecycle.

Hukx is headquartered in the Netherlands, with locally owned representative sales offices in the USA, Brazil, India, China, Southeast Asia, and Japan.

Let us help you select the best sensor for your application.
Get in touch with our experts today via: info@hukx.com

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