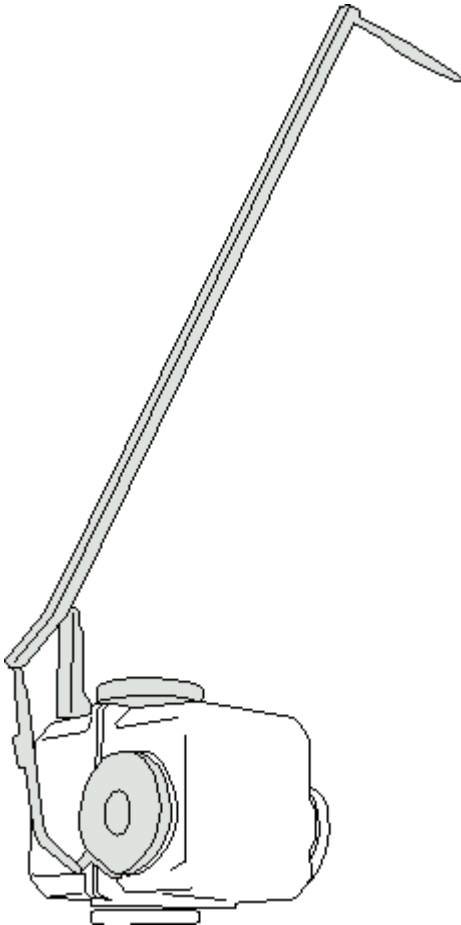


Shading Disk Kit



Configurations

The shading disk mechanism is adjustable. This allows to bring the (virtual) point of rotation of the shading disk into the centre of the receiver area of the instrument. Note, that while the shading disk rotates, the instrument remains fixed in space.

Depending on the instrument you plan to use, you will need a specific combination of pyranometer flange, arm extension and diameter of the shading disk.

The pyranometer flange is instrument-specific, which means it is machined to accept the footprint of the specified instrument and it has provisions to fasten the instrument, so it can be removed with tools only. The pyranometer flange attaches to the top flange (type 1) of the primary axis. Its dimensions (diameter and height) are specific, according to the requirements of the specified instrument. (The axis of rotation of the shading disk is 110 to 190 mm (adjustable) above the level of the top flange type 1 of the primary axis.)

The kit includes all parts that are needed to enhance the INTRA base-unit for the operation of a single shaded pyrano- or pyrgeometer. The parts are:

- 2 axis extensions
- 2 flanges type 1
- 1 pyranometer flange (various models available)
- 1 shading disk mechanism
- 1 arm extension (available at various lengths)
- 1 shading disk (available at various diameters), front side painted white, rear side painted black.

Pictures of INTRA with the shading disk kit are shown in the INTRA leaflet.

Ordering Information

Kit ordering number: TK01-aaaa-ii-dd where

aaa is for the distance "centre of receiver to shading disk" [cm] 65, 70 or 100 cm

ii is for the type of instrument (see below)

dd is for the diameter of the shading disk [mm] 63, 90 or 100 mm.

Standard Configurations

TK01-100-KZ-90 CM-family of pyrano meters of Kipp & Zonen	TK01-70-EO-63 Eppley PSP or PIR	TK01-70-EK-63 EKO SPB-801	TK01-100-ST-100 SS-25 of Swissteco
TK01-100-KZV-90 as above + CV1	TK01-70-EOV-63 as above + ventilator VEN	TK01-70-EKV-63 as above with tbd vent.	TK01-100-STV-100 SS-25 VH Swissteco

special configurations for other instruments on request.