

SR11-TR
FIRST CLASS SOLAR RADIATION SENSOR
WITH INTEGRATED TRANSMITTER

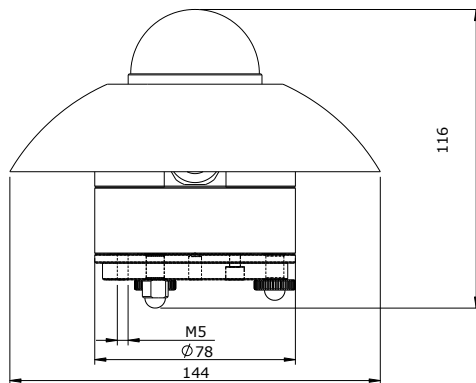


Figure 1 SR11 solar radiation sensor with integrated transmitter. All dimensions are in mm.

SR11 is a solar radiation sensor that can be applied in scientific grade solar radiation observations. It complies with the "first class" specifications within the latest ISO and WMO standards. The scientific name of this instrument is pyranometer. Model SR11-TR has a special housing, which makes it possible to place a transmitter, or amplifier. For additional information on the application and use of regular SR11 pyranometer, SR11 brochure and manual can be consulted.

SR11 serves to measure the solar radiation flux that is incident on a plane surface in W/m^2 from a 180 degrees field of view (also called "global" solar radiation). Working completely passive, using a thermopile sensor, SR11 generates a small output voltage proportional to this flux. Employing two glass domes, certain measurement errors are reduced; in particular thermal offsets, so that a high measurement accuracy can be attained.

SR11-TR SPECIFICATIONS

For SR11 specifications, please consult SR11 brochure or manual

Input	7,2 to 35 VDC for transmitter
Output	Signal from transmitter (programmable), either amplified voltage, 4-20mA, 4-20mA with HART protocol,...
Output specifications	please contact Hukseflux
Accuracy of output	dependant on used transmitter
Temperature dependence	dependant on used transmitter
Transmitter dimensions	DIN form B

OPTIONS

Additional cable length x metres (add to 5m).
Please contact Hukseflux for additional information.