

The HUKX logo is rendered in a bold, white, sans-serif typeface. It is positioned on the left side of the page, set against a background of a purple grid that exhibits a wavy, undulating pattern across the entire surface.

HUKX

Sensor
Technology

Fact sheet

Industrial series Class A and
Class B analog pyranometers

SR200-A1
SR100-A1

SR200-A1 / SR100-A1

Industrial series Class A and Class B analog pyranometers

For PV system performance monitoring and meteorology

The analog ISO 9060 spectrally flat Class A pyranometer SR200-A1, and the spectrally flat Class B SR100-A1 are engineered to measure solar radiation with the utmost reliability and measurement accuracy. They replace the older analog millivolt output models SR20 and SR15-A1 as well as microvolt-output instruments of other brands. Analog pyranometers are not only used as a replacement of similar sensors in legacy networks, but also when power consumption should be as low as possible.



Best safety

- dedicated earthing terminal
- compliant with local (EU, US) electrical safety regulations such as EN-50110 or NFPA 70

Easy installation

- with optional spring-loaded leveling mount
- window for visible bubble level
- easy mounting, leveling, and instrument exchange
- extendable cable length up to 20 m

Compliance with industrial standards

- IEC 61724-1 Class A (SR200-A1) and Class B (SR100-A1) compliant for solar irradiance measurements
- complies with EN-IEC 61000-4-5 standard: surge immunity Level 2 (1 kV)

Replacement of legacy sensors

- can replace legacy pyranometers with microvolt output
- not only of the Hukx — original name was Hukseflux — brand but also of the Kipp, Eppley, and Schenk brands.
- read the recommendations in the product brochure or user manual

Best accuracy

- ISO 9060 classified "spectrally flat" Class A (SR200-A1) and Class B (SR100-A1) sensors
- SR100-A1 and the SR200-A1-T1 include a Pt100 temperature sensor
- SR200-A1-T2 includes a 10 k Ω thermistor temperature sensor
- possible temperature compensation of irradiance for SR200-A1 (temperature dependence $< \pm 0.4 \%$)
- lowest zero offsets

Lowest total cost of ownership

- (re-)calibration is necessary every two years according to IEC 61724-1
- efficient worldwide calibration services
- lowest possible power consumption
- designed to minimize risk of damage
- practical leveling saves O&M time

Best paperwork

- SR200-A1 includes temperature response test report for each individual sensor
- SR200-A1 includes directional response test of every sensor for 0 to 95 ° angle of incidence

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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