

HUKX

Sensor
Technology

Fact sheet
Industrial pyranometer

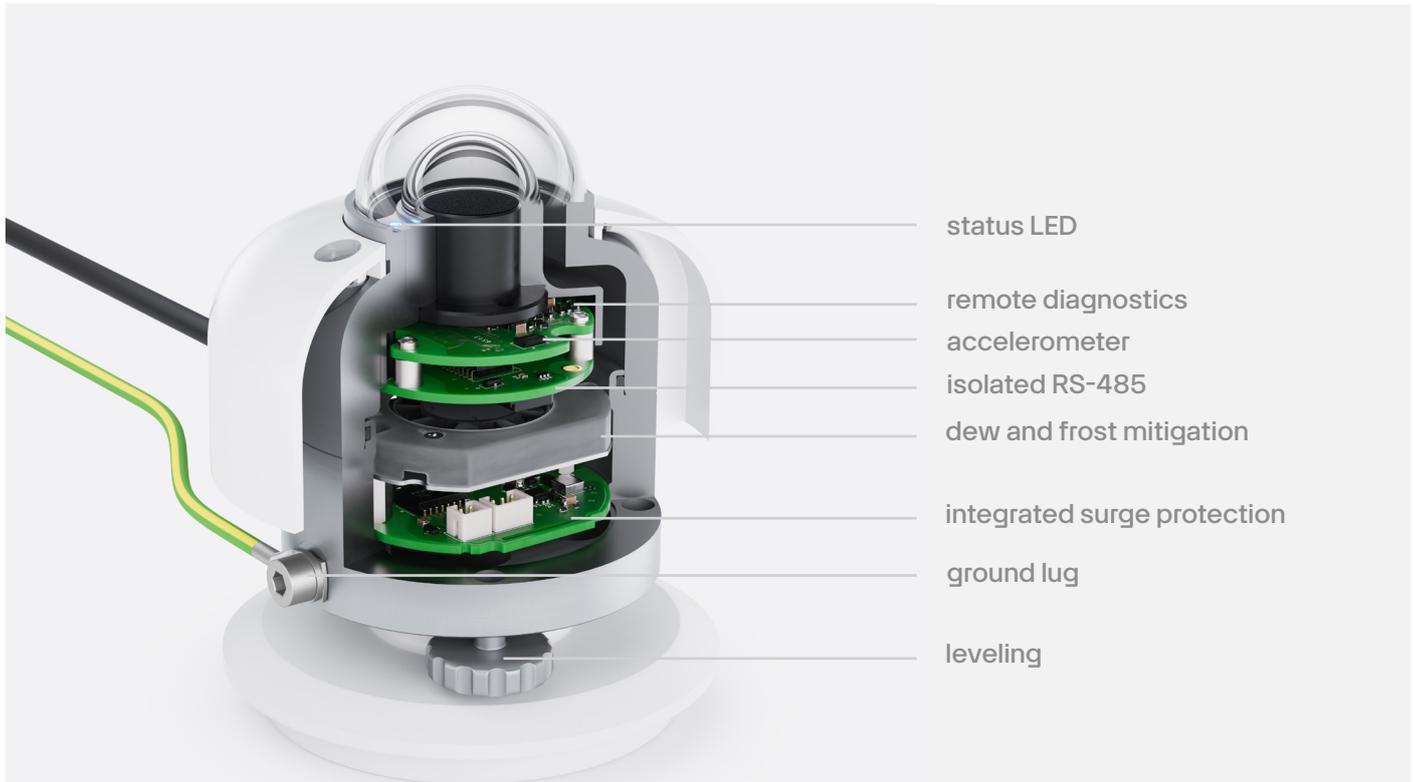
SR300-D1

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Industrial Class A pyranometer

with heating and tilt sensor

Successor to the market-leading SR30 model, our latest SR300 pyranometer is ideally suited for use in PV system performance testing and in research-grade meteorological monitoring. SR300 is suitable for use in these outdoor and industrial environments, and complies with relevant surge immunity and EMC specifications. Customers prefer Hukx pyranometers for their unsurpassed measurement accuracy and lowest total cost of ownership.



status LED

remote diagnostics

accelerometer

isolated RS-485

dew and frost mitigation

integrated surge protection

ground lug

leveling

Best diagnostics

- status LED
- tilt measurement
- alert: instrument leakage
- alert: heating malfunction
- alert: change of tilt and rotation

Best compliance with industrial standards

- complies with IEC 61724-1 Class A requirements for all locations and climatic conditions
- equipment classification IEC 61000 series: industrial equipment
- surge immunity IEC 61000-4-5 Level 2
- allows compliance local (US, EU) electrical safety regulations
- calibrated tilt measurement, compliant with IEC 61724-1

Tilt sensor and leveling

- remote check using on-board tilt sensor
- window for visible bubble level
- with optional spring-loaded leveling mount
- easy mounting, leveling, and instrument exchange

Best accuracy and data availability

- ISO 9060 Class A
- spectrally flat
- reliable isolated RS-485 interface
- mitigates dew and frost
- lowest zero offsets
- no external ventilator required

Best paperwork

- all ISO 9060-required reports with every individual sensor
- temperature response testing from -30 to $+50$ °C
- full directional response testing from 0 to 95 °
- tilt sensor calibration (0 to 180 ° tilt, -30 to $+50$ °C)

Lowest total cost of ownership

- efficient worldwide calibration services
- reduced cost of system integration
- designed to minimize risk of damage
- practical diagnostics and leveling save O&M time

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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Version 2501

We reserve the right to change specifications without prior notice.

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