



HUKX

Sensor
Technology

Fact sheet
4-component net radiometer

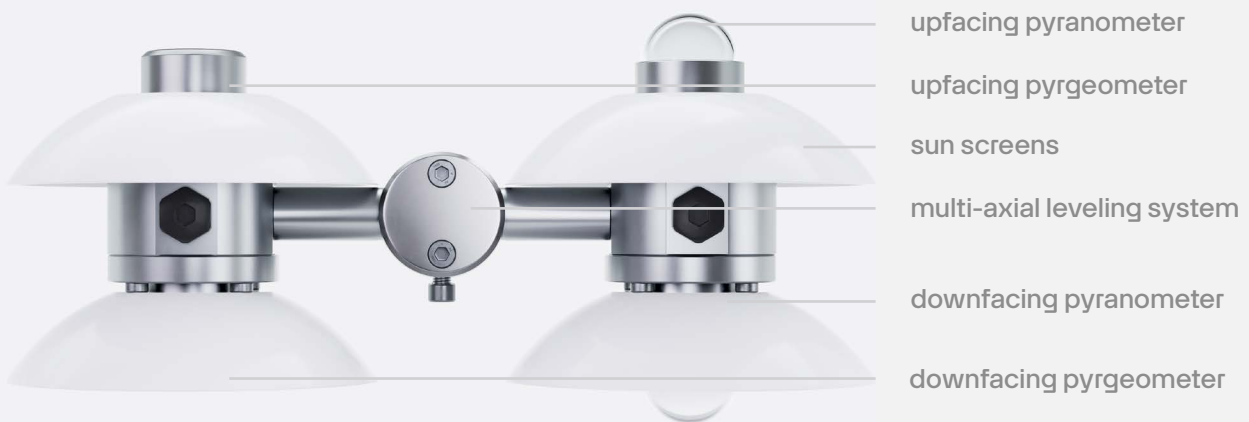
NR01

NR01

4-component net radiometer

for energy balance and surface flux studies

The NR01 is a market-leading 4-component net radiometer. Combining two pyranometers and two pyrgeometers, it delivers reliable measurements of solar and longwave radiation in both upwards and downwards directions. With its modular design and body heating, the NR01 ensures accurate data in demanding and climatological applications.



Best measurement capabilities

- measures upward and downward solar and longwave radiation components with high accuracy
- Pt100 sensor for body temperature correction
- low solar offsets in longwave channel
- albedo and net radiation measurements in one unit

Easy integration

- low weight and low mounting costs
- direct connection to dataloggers

Modular & serviceable design

- two pairs of identical sensors
- easy replacement and recalibration
- practical x- and y-axis leveling assembly

Robust outdoor performance

- best night-time data availability with heated pyrgeometers
- rated operating temperature range of -40 to +80 °C
- best choice for meteorological stations

Best paperwork

- formally traceable calibration for every individual sensor in the NR01
- pyranometers calibrated in accordance with ISO 9847
- traceable calibration to the WISG for pyrgeometers and WRR for pyranometers

Best compliance with industrial standards

- complies with WMO-No. 8 guide
- ISO 9060 "spectrally flat" Class C pyranometers

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

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