

HUKX

Sensor
Technology

Fact sheet
Industrial diffusometer

SRD100-D1

SRD100-D1

Industrial diffusometer

for digital measurements of diffuse solar radiation

The new SRD100-D1 industrial diffusometer is designed to accurately measure diffuse irradiance as part of an IEC 61724-1 Class A PV performance monitoring system. When combined with a pyranometer like the SR300-D1, users can separate the direct and diffuse components of solar radiation. The SRD100-D1 is suitable for use in outdoor and industrial environments, and complies with relevant surge immunity and EMC specifications.



No moving parts

- static sensor array
- unique shadow mask with a Fibonacci lattice

Best accuracy and data availability

- reliable isolated RS-485 interface
- heater included for dew and frost mitigation
- accuracy optimised for clear-sky and partly cloudy conditions, which are most relevant to PV applications

Easy levelling

- easily visible bubble level
- optional spring-loaded leveling mount
- simple mounting, levelling, and instrument exchange

Best compliance with industrial standards

- designed to accurately measure diffuse irradiance as part of an IEC61724-1 Class A PV performance monitoring system
- equipment classification IEC 61000 series: industrial equipment
- surge immunity IEC 61000-4-5 Level 2
- meets compliance with local (US, EU) electrical safety regulations

Best diagnostics

- monitor instrument body temperature, internal humidity and heater current remotely
- Modbus RTU communication protocol over RS-485 interface

Lowest total cost of ownership

- supported by our worldwide service organisation
- (re-)calibration is necessary every two years in according to IEC61724-1
- engineered to minimise risk of damage
- practical diagnostics and leveling save valuable 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

© Hukx

Version 2501

We reserve the right to change specifications without prior notice.

www.hukx.com

HUKX