

HUKX

Sensor
Technology

Brochure
Dome protector

DP01

DP01

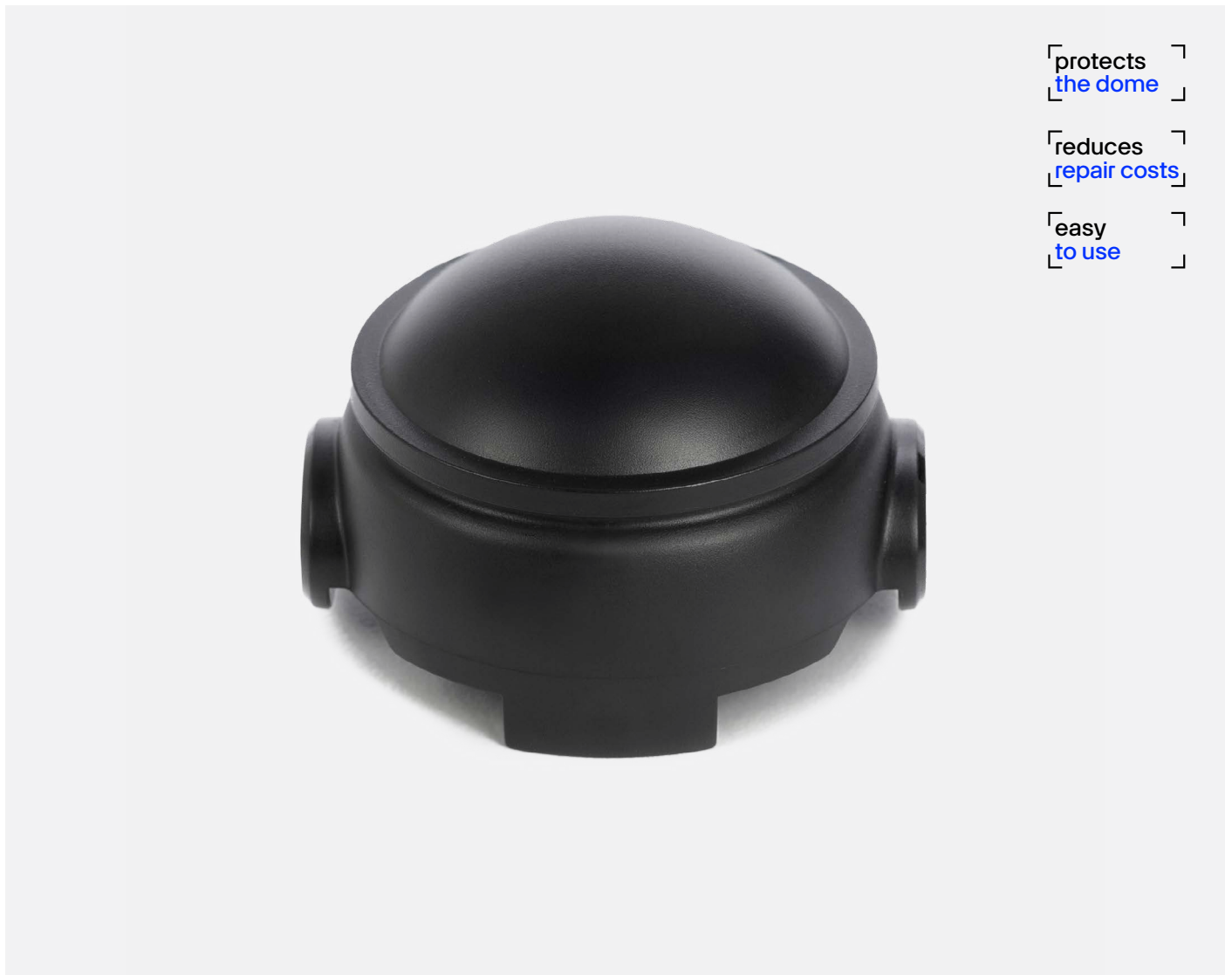
Dome protector

For SR300-D1, SR200-D1, SR100-D1, SR30-M2-D1
and SR15 series pyranometers

DP01 protects the dome of the pyranometer during transport, installation and removal. Its purpose is to reduce the risk of accidental damage to the pyranometer domes.

Our service records show that replacement of scratched and broken domes are a significant contributor to the total cost of ownership. Protecting the pyranometer dome reduces unnecessary repair costs.

Figure 1 SR30-M2-D1 with DP01 dome protector.



Introduction

Damaged domes are a significant cause of pyranometer malfunction.

DP01 protects the dome and

- Mitigates the risk of damage to the pyranometer dome.
- Reduces unnecessary repair costs.

Demanding applications

We recommend using **DP01** during initial transport and installation at the measurement site. After that, DP01 can be stored. It is used again, typically every 2 years, when the pyranometer is removed and sent to an external laboratory for calibration.

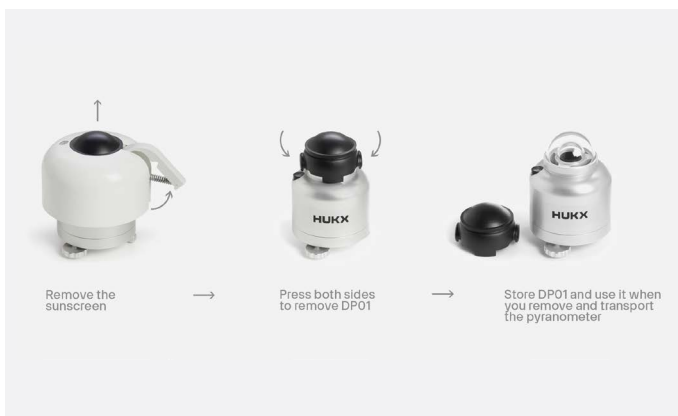


Figure 2 Removal of the sunscreen and DP01.

Operation

Using DP01 is easy. The protector is mounted with a double snap-fit connection to the pyranometer. To remove the DP01 press both sides of the protector, see Figure 2. We recommend to keep DP01 on the pyranometer whenever the dome could potentially make contact with a hard object. Please do not forget to remove DP01 before you start measuring.



DP01 design

The DP01 is specially designed for SR300-D1, SR200-D1, SR100-D1, SR30-M2-D1 and SR15 series pyranometers. To keep the DP01 and the sunscreen together during transport, the sunscreen can be installed on top of the DP01. Check if DP01 is installed correctly by pulling it gently, before installing the sunscreen on top.



Figure 4 Pyranometer model SR30-M2-D1, with DP01.

Suggested use

- with pyranometer models SR300-D1, SR200-D1, SR100-D1, SR30-M2-D1 and SR15 series
- for transport, make sure the pyranometer of which the DP01 is covering the dome is surrounded by shock absorbing packaging

Ordering

- **DP01 set of five pieces**

Figure 3 Pyranometer model SR30-M2-D1, with DP01 and sunscreen.

DP01 specifications

General specifications

function Mitigates risk of damage to pyranometer domes, reduces unnecessary repair costs.

ordering "DP01 set of 5" in bag containing five pieces DP01.

included in pyranometer models SR15, SR30 supplied from 01 APR 2023, SR300, SR200, SR100

compatibility pyranometer models SR300, SR200, SR100, SR30, SR15

protection level

For transport, make sure the pyranometer of which the DP01 covering its dome is surrounded by shock absorbing packaging.

material

ABS

rated operating temperature range

-20 to +80 °C

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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