



**HUKX**

Sensor  
Technology

Fact sheet  
Foil heat flux sensor

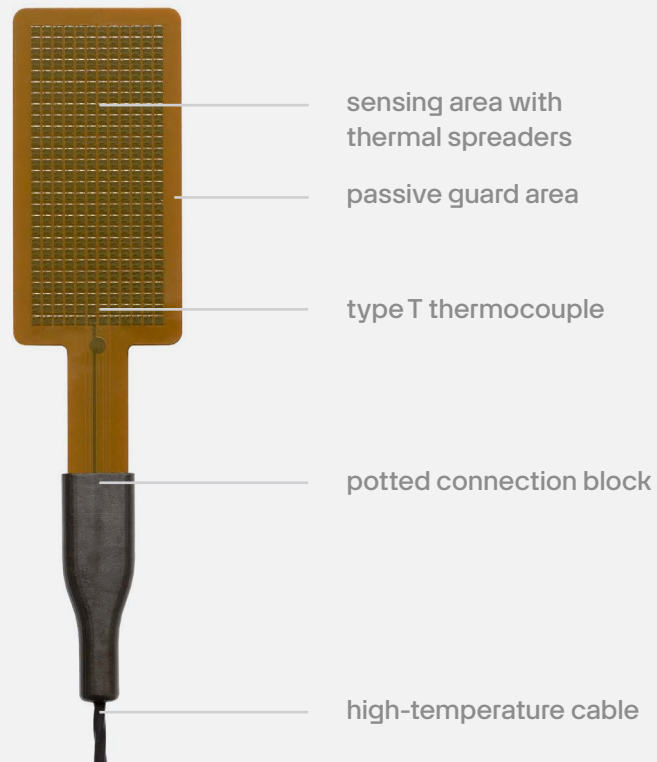
**FHF06**

# FHF06

## Foil heat flux sensor

Thin, flexible and made for high temperatures up to 250 °C

FHF06 is a versatile high-temperature foil heat flux sensor with a thin, flexible body. It includes integrated thermal spreaders for environment-independent sensitivity and a built-in type T thermocouple. Designed for continuous use up to +250 °C, FHF06 is ideal for accurate heat flux measurements at high temperatures.



### Designed for demanding environments

- rated temperature range from -70 to +250 °C
- sensor foil withstands up to 25 bar uniform pressure
- vacuum-suitable foil: low outgassing (TML 0.36 %, CVCm 0.01 %)

### Versatile performance

- measures up to  $\pm 191 \times 10^3 \text{ W/m}^2$  \*
- extremely flexible: easily conforms to curved surfaces (radius  $\geq 7.5 \times 10^{-3} \text{ m}$ )
- simultaneously measures heat flux and sensor temperature with integrated type T thermocouple

### Easy integration

- thin, low-mass design minimizes thermal disturbance
- compatible with a wide range of data acquisition systems
- passive guard enables easy mounting while reducing edge effects

### Robust and stable

- potted cable connection block provides strain relief
- IP67 rating ensures reliable performance for both indoor and outdoor applications

### Accuracy you can trust

- thermal spreaders make the sensor's sensitivity environment-independent
- 3 s (95 %) response time tracks rapid changes in heat flux
- small temperature dependence:  $< 0.2 \%/^{\circ}\text{C}$

### Best paperwork

- formally traceable calibration certificates with every FHF06
- calibrated in accordance with ASTM C1130

\* with a heatsink temperature of 20 °C  
see the user manual for more information

## 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](mailto:info@hukx.com)

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