



**HUKX**

Sensor  
Technology

Fact sheet  
Ultra sensitive industrial  
heat flux sensor

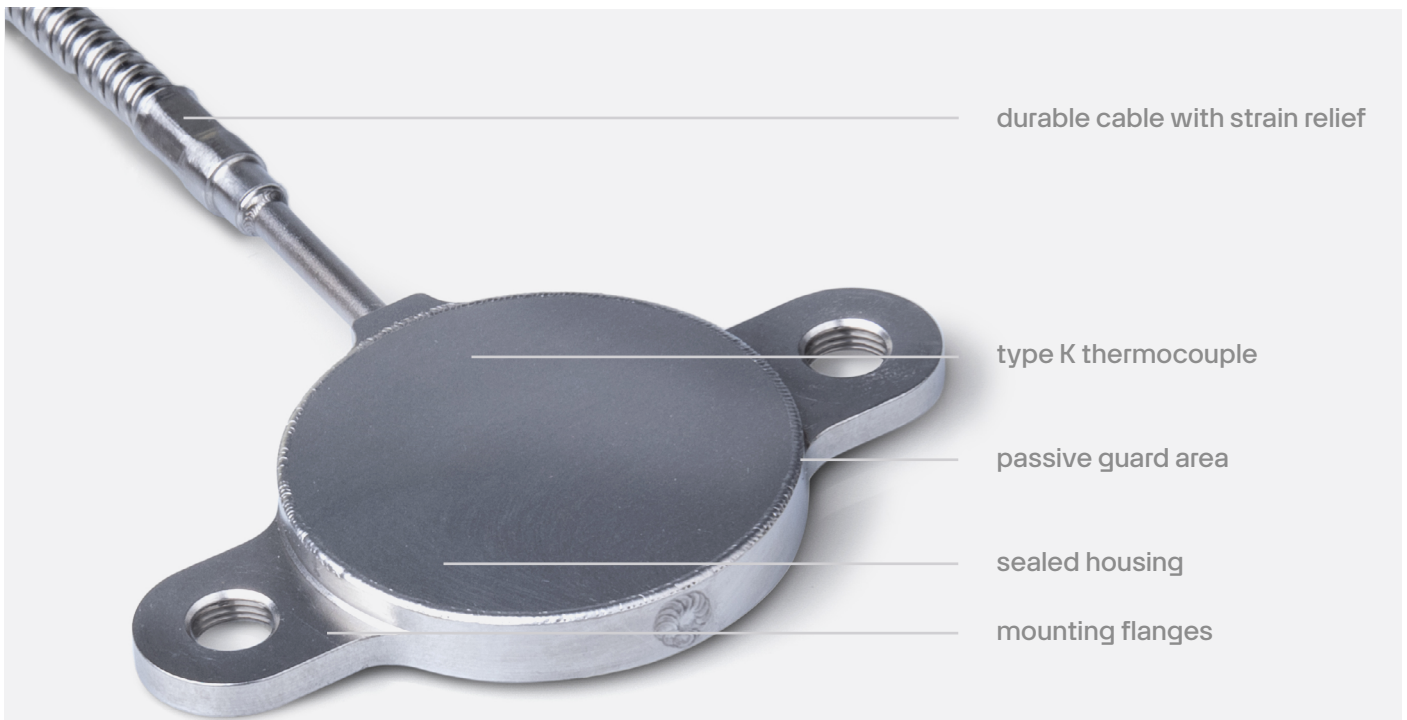
**IHF03**

# IHF03

## Ultra sensitive industrial heat flux sensor

Reliable performance at extreme temperatures

The IHF03 is a robust ultra sensitive industrial heat flux sensor engineered for high-temperature and high-pressure environments. With its fully sealed stainless steel body and armored high-temperature cabling, it delivers stable measurements under dry conditions. This makes the IHF03 ideal for trend monitoring and comparative testing.



### Built for the industry

- durable “installer-proof” strain relief
- includes passive guard according to ISO 9869
- simultaneously measures heat flux and sensor temperature with integrated type K thermocouple

### Reliable and safe

- electrically insulated signal wires prevent ground loops and zero offsets for stable readings
- guaranteed electrical immunity

### Robust design

- IP51 rated: fully sealed stainless steel housing resistant to water and dust
- high-temperature, metal-sheathed cable with strain relief
- operates reliably at temperatures up to 850 °C

### Stable in dry conditions

- designed for long-term trend monitoring and comparative testing
- small laser-drilled holes mitigate high internal air pressure at high temperatures
- remains stable under long-term high heat flux conditions

### Versatile installation

- includes mounting flanges for simple and secure installation
- optional magnet frame for easy mounting on metal surfaces.
- suitable for both repeated installation or long-term fixed use

### Best paperwork

- formally traceable calibration certificates with every IHF03
- calibrated in accordance with ASTM C1130

## 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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