



HUKX

Sensor
Technology

Fact sheet
Thermal resistance
measuring system

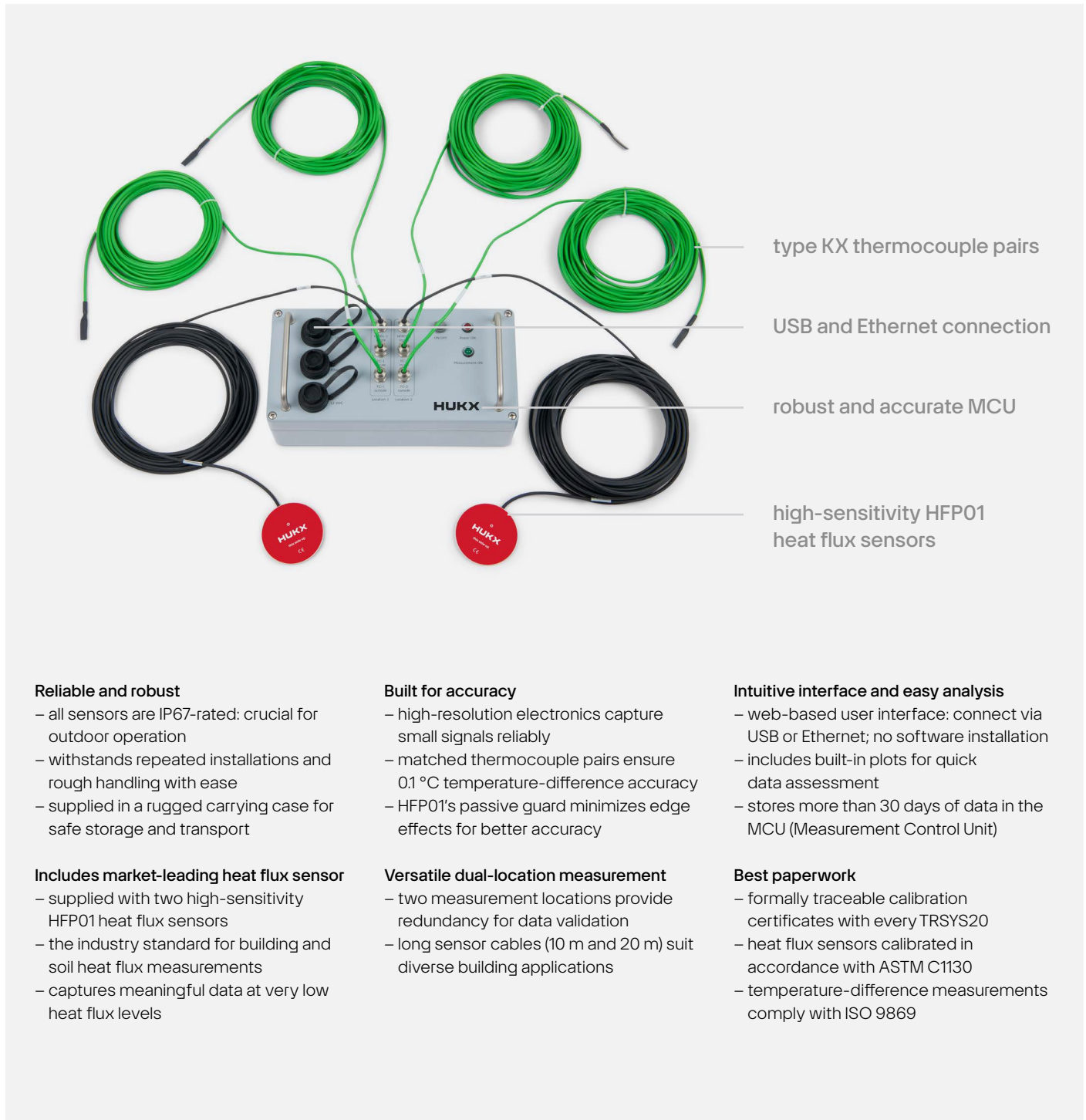
TRSYS20

TRSYS20

Thermal resistance measuring system

Accurate, robust and intuitive

TRSYS20 is a system for precise, in-situ measurements of building envelope thermal properties, including thermal resistance (R-value), conductance (Λ -value) and transmittance (U-value). With high-resolution electronics, quality sensors and an intuitive web interface, TRSYS20 delivers simple, accurate measurements.



type KX thermocouple pairs

USB and Ethernet connection

robust and accurate MCU

high-sensitivity HFP01 heat flux sensors

Reliable and robust

- all sensors are IP67-rated: crucial for outdoor operation
- withstands repeated installations and rough handling with ease
- supplied in a rugged carrying case for safe storage and transport

Includes market-leading heat flux sensor

- supplied with two high-sensitivity HFP01 heat flux sensors
- the industry standard for building and soil heat flux measurements
- captures meaningful data at very low heat flux levels

Built for accuracy

- high-resolution electronics capture small signals reliably
- matched thermocouple pairs ensure 0.1 °C temperature-difference accuracy
- HFP01's passive guard minimizes edge effects for better accuracy

Versatile dual-location measurement

- two measurement locations provide redundancy for data validation
- long sensor cables (10 m and 20 m) suit diverse building applications

Intuitive interface and easy analysis

- web-based user interface: connect via USB or Ethernet; no software installation
- includes built-in plots for quick data assessment
- stores more than 30 days of data in the MCU (Measurement Control Unit)

Best paperwork

- formally traceable calibration certificates with every TRSYS20
- heat flux sensors calibrated in accordance with ASTM C1130
- temperature-difference measurements comply with ISO 9869

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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