QRU-100

Thermal Monitoring Kit For Buildings



Overview

The QRU-100 is designed to make measuring the thermal properties of buildings easy, efficient, and accurate.

A critical requirement for modern construction, renovation, quality assurance, and energy efficiency assessment, the QRU-100 thermal monitoring kit includes separate indoor and outdoor measuring units. Indoor heat flux monitoring, together with indoor and outdoor temperature sensors, allow the QRU-100 to measure both thermal transmittance and thermal resistance, the U and R-Value of a wall or other building components based on the standard methods defined in ISO 9869, ASTM C1046 and ASTM C1155.

Each measuring unit contains a high-resolution datalogger, pre-configured and ready to use, housed in a weatherresistant case, equipped with a long-life battery, and can store up to 4 million data points.



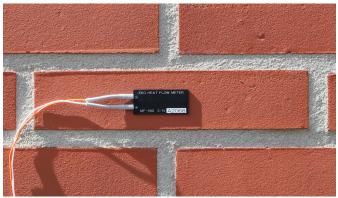
HKC

General Specifications

Number of measurement points	3
Logger Operating temperature range	-40 to +90°C
Data storage	4 Million Data points
Datalogger battery life	Interval: >1min : 4 years - 10s : 230 days
Battery type of the data logger	Lithium type SL-750/S
Interface	USB to PC
Software	InfraLog 5
Measurement unit IP level	IP66, IP68
Transport case IP level	IP67
Weight (Measurement unit)	0.335 kg
Weight (incl Transport case)	2.5 kg
Dimensions (Measurement Unit)	113 x 80 x 60 mm
Dimensions (Transport case)	350 x 295 x 150 mm

Sensor Specifications

leat flux sensor type	EKO MF-180
leat flux sensor nominal sensitivity	approx. 28 µV/W/m ²
eat flux range	±1500 W/m²
eat flux sensor temperature range	-30 to 120°C
mperature Sensor type	PT-1000, 4-wire
mperature sensor accuracy	1/10 DIN class
mperature Sensor Range	-60 to 180°C
ensor Cable Length	3 m



MF-180 Heat Flux Sensor

QR

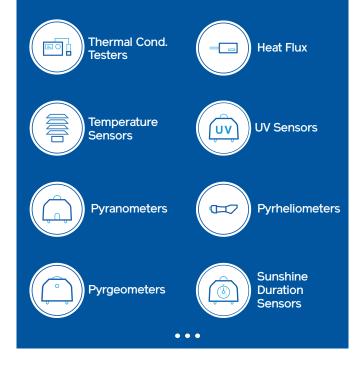
Use the QR code to visit our website, contact our team, or to find out more about the **QRU-100**, other related products, and the full range of industryleading EKO sensors and instruments.



Explore EKO

Made in Japan for over 90 years, EKO solar energy sensors and environmental instruments are built on a legacy of innovation, an uncompromising commitment to quality, and industry-leading accuracy.

With a range of products and services to suit every project or application requirement, explore EKO now, or get in touch to find out how EKO Instruments can help you.



EKO Instruments Co. Ltd info@eko.co.jp

+81-3-3469-6713 EKO Instruments Sales India

sales-in@eko-instruments.com +91 9869047721

EKO Instruments Europe B.V. sales-eu@eko-instruments.com +31-0-703050117

EKO Instruments Sales China

sales-cn@eko-instruments.com +81-3-3469-6713

EKO Instruments USA Inc.

sales-usa@eko-instruments.com +1-408-977-7751

eko-instruments.com