

QHT-10

Thermal Monitoring Kit



Overview

The QHT-10 Thermal Monitoring Kit is a flexible heat flux and temperature monitoring solution, an ideal option for research and engineering applications as well as manufacturing control and monitoring processes.

Easy to set up and use, the QHT-10 comes housed in a weather-resistant case and is equipped with a long-life battery and an ultra-high-resolution data logger that can store up to 4 million data points.

Including thin and sensitive EKO MF-180 Heat Flux Sensors and highly accurate 4-wire RTD Temperature Sensors, the QHT-10 comes in three configurations; the dual 'Heat Flux' model 'HH', the dual temperature model 'TT' and the mixed model 'HT'.



General Specifications

Number of measurement points	2
Logger operating temperature range	-40 to +90°C
Data storage	4 Million Data points
Datalogger battery life	Interval: >1 min : 4 years - 10s : 230 days
Battery type of the data logger	Lithium type SL-750/S
Interface	USB to PC
Software	InfraLog 5
Enclosure unit IP level	IP66, IP68
Transport case IP level	IP67
Weight (measurement unit)	0.335 kg
Weight (incl transport case)	1.55 kg
Dimensions (measurement unit)	113 x 80 x 60 mm
Dimensions (transport case)	270 x 240 x 120 mm



Sensor Specifications

Heat flux sensor type (Models HH and HT)	EKO HF-01S
Heat flux sensor nominal sensitivity	55 $\mu\text{V}/\text{W}/\text{m}^2$
Heat flux range	$\pm 10000 \text{ W}/\text{m}^2$
Heat flux sensor temperature range	-30 to 100°C
Temperature sensor type (Models HT and TT)	PT-1000, 4-wire
Temperature sensor accuracy	1/10 DIN class
Temperature sensor range	-60 to 180°C
Sensor cable length	3 m



HF-01S Heat Flux Sensor

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