



Heat Flux Measurement Kit



Calibrated Plug-and-Play solution for scientific and analytical measurements

Features

- Calibrated Plug-and-Play solution
- Ready-to-use heat flux data with a resolution of $< 0.41 \text{ W/m}^2$
- Logger and live read-out
- Stores up to 2 million data points
- Battery lifetime > 1 month
- Read-out software included
- USB interface
- For scientific and analytical measurements

Downloads

Product	gSKIN [®] KIT-1583C (calibrated)
Article Number	A-161895
gSKIN [®] KIT includes ^a	Sensor: gSKIN[®]-XM 27 9C (4.4mm x 4.4mm) Logger: gSKIN[®] DLOG-4219 Mounting Tape
Sensor Calibration	Method cohering to ISO8301, mean temperature of 22.5 °C
Heat Flux Range Min / Max [W/m ²]	± 550
Heat Flux Resolution [W/m ²]	< 0.41
Min. Sensor Sensitivity ^b (S) [$\mu\text{V}/(\text{W/m}^2)$]	1.5
Response Time (0-95%) [s]	$0.2^c / 0.7$
Logger Dimensions (l x w x h) [mm x mm x mm]	52 x 20 x 15
Measurement Frequency	50/s to 2/d
Bit Resolution [bits]	12
Data Storage Capacity [# measurements]	$> 2'000'000$
Battery Lifetime ^d [days]	> 30 (rechargeable)
Computer Interface	USB
Operating System	Windows 2000 / XP / Vista / 7 / 8
Operation Modes	Autonomous / Button Triggered / Live
Operating Temperature Range Min/Max [°C]	-50 / 150 (-25 / 65 for Logger)
Calibration Temperature Range Min/Max [°C]	-30 / 70
Calibration Accuracy ^b [$\pm\%$]	3
Heat Flux Sensor / Logger Cable Length [m]	1.5 (with connector)

^a For more details consult the datasheets of the individual products. ^b Sensor calibration data already loaded onto logger for simple and fast plug-and-play measurements. ^c Anticipated Signal. ^d At lowest measurement frequency (2/d).