

gSKIN[®] DLOG Data Logger

FEATURES

- Logger and live read-out
- Stores up to 2 million data points
- Micro- to Nano-volt resolution
- Battery lifetime >1 month
- Read-out software included
- Compact design
- USB interface



gSKIN[®] DLOG-4218



gSKIN[®] DLOG-4219



gSKIN[®] DLOG-4231

Product Name	gSKIN [®] DLOG-4218	gSKIN [®] DLOG-4219	gSKIN [®] DLOG-4231
Article Number	A-057341	A-057416	A-057314
Outer Dimensions (l x w x h) [mm x mm x mm]	52 x 20 x 15	52 x 20 x 15	52 x 20 x 15
Number of Sensor Ports	Heat Flux: 1 Temperature : 0	Heat Flux: 1 Temperature : 0	Heat Flux: 1 Temperature : 2
Measuring Frequency	50/s to 2/d	50/s to 2/d	50/s to 2/d
Bit Resolution [bits]	12	12	12
Data Storage Capacity [# measurements]	>2'000'000	>2'000'000	>2'000'000
Battery Lifetime ^a [days]	>30	>30	>30
Rechargeable	Yes	Yes	Yes
Operating Temperature Range Min/Max [°C]	-20 / 65	-20 / 65	-20 / 65
Computer Interface	USB	USB	USB
Software	Installation CD included	Installation CD included	Installation CD included
Operating System	Windows 2000 / XP / Vista / 7 / 8	Windows 2000 / XP / Vista / 7 / 8	Windows 2000 / XP / Vista / 7 / 8
Operation Modes	Autonomous Button Triggered Live	Autonomous Button Triggered Live	Autonomous Button Triggered Live
Sensor / Logger Cable Length [m]	1.0 / 0.5 (with connectors)	1.0 / 0.5 (with connectors)	1.0 / 0.5 (with connectors)

gSKIN[®] Sensor Port Specifications:

Guaranteed Voltage Range Min / Max ^b [mV]	±12.5	±1.25	±3.13
Guaranteed Voltage Resolution [µV]	6.2	0.6	1.6

Temperature Sensor Specifications:

Temperature accuracy [°C]	-	-	±0.1 (+5...+45 °C) ±0.2 (-10...+58 °C)
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^a At lowest measurement frequency (2/d).

^b gSKIN[®] sensor specific values are provided on page 2.

Whilst every effort has been made to ensure the accuracy of this specification, we cannot accept responsibility for damage, injury, loss or expense from errors or omissions. In the interest of technical improvement, this specification may be altered without notice.

For pricing or any further information, please contact Omni Instruments Ltd.

gSKIN[®] DLOG Data Logger

Heat Flux Range and Resolution Lookup Table

Simply select best suited gSKIN[®] Heat Flux Sensor and gSKIN[®] DLOG Data Logger for your application from this list

				gSKIN [®] DLOG Data Logger		
				4218	4219	4231
				Range: ±12.5mV Resolution: 6.2µV	Range: ±1.25mV Resolution: 0.6µV	Range: ±3.13mV Resolution: 1.6µV
gSKIN [®] Heat Flux Sensor	XB 26 9C XB 27 9C	Sensitivity: >1.5µV/(W/m ²)	Range [W/m ²]: Resolution [W/m ²]:	±5500 <4.08	±550 <0.41	±1300 <1.02
	XP 26 9C XP 27 9C	Sensitivity: >7.0µV/(W/m ²)	Range [W/m ²]: Resolution [W/m ²]:	±1100 <0.87	±120 <0.09	±300 <0.22
	XI 26 9C XI 27 9C	Sensitivity: >22.0µV/(W/m ²)	Range [W/m ²]: Resolution [W/m ²]:	±380 <0.28	±40 <0.03	±90 <0.07

Power Range and Resolution Lookup Table

Simply select best suited gSKIN[®] Radiation Sensor and gSKIN[®] DLOG Data Logger for your application from this list

				gSKIN [®] DLOG Data Logger		
				4218	4219	4231
				Range: ±12.5mV Resolution: 6.2µV	Range: ±1.25mV Resolution: 0.6µV	Range: ±3.13mV Resolution: 1.6µV
gSKIN [®] Radiation Sensor	XB 46 9R XB 47 9R	Sensitivity: >70mV/W	Max. Power [mW]: Resolution [mW]:	120 <0.087	12 <0.009	30 <0.022
	XP 46 9R XP 47 9R	Sensitivity: >70mV/W	Max. Power [mW]: Resolution [mW]:	120 <0.087	12 <0.009	30 <0.022
	XI 46 9R XI 47 9R	Sensitivity: >70mV/W	Max. Power [mW]: Resolution [mW]:	120 <0.087	12 <0.009	30 <0.022

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