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gSKIN[®] XO-Temp

Combined heat flux and temperature sensor

Highest sensitivity

The gSKIN[®] XO-Temp sensor has a min./avg. sensitivity of 10/20 $\mu\text{V}/(\text{W}/\text{m}^2)$. The thermopiles are highly integrated in the sensor substrate which leads to exceptional sensitivity.

Water & corrosion proof

Having protection class IP44, the sensor is protected from water spray from any direction. We increased overall robustness even further.

Integrated thermocouple

The gSKIN[®] XO-Temp has an integrated surface temperature sensor with an accuracy of $\pm 0.1^\circ\text{C}$ and a resolution of 0.01°C . It has a low-noise design and very low energy consumption.

Digital Output

Digital data transmission is not sensitive to cable length, cable resistance or impedance, and is not influenced by electromagnetic noise. Standard cables can be used for extensions.

High Accuracy

Take heat flux measurements with an accuracy of $\pm 3\%$. The gSKIN[®] XO-Temp is specially shielded against external factors such as changing ambient temperatures.



Unique features

Dimensions [mm x mm]: 30 x 30 x 3.3

Heat flux range [kW/m^2]: -15/ 15

Calibration accuracy [%]: ± 3

Operating min/max temp [$^\circ\text{C}$]: -50/80

Cable length [cm]: 100 (extendable)