



**Electro Optical Components, Inc.**

5464 Skylane Boulevard, Suite D, Santa Rosa, CA 95403

Toll Free: 855-EOC-6300

[www.eoc-inc.com](http://www.eoc-inc.com) | [info@eoc-inc.com](mailto:info@eoc-inc.com)



# gSKIN<sup>®</sup> XO-Temp

## Combined heat flux and temperature sensor

### **Highest sensitivity**

The gSKIN<sup>®</sup> 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<sup>®</sup> XO-Temp has an integrated surface temperature sensor with an accuracy of  $\pm 0.1^\circ\text{C}$  and a resolution of  $0.01^\circ\text{C}$ . 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<sup>®</sup> 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 [ $\text{kW}/\text{m}^2$ ]: -15/ 15

Calibration accuracy [%]:  $\pm 3$

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

Cable length [cm]: 100 (extendable)