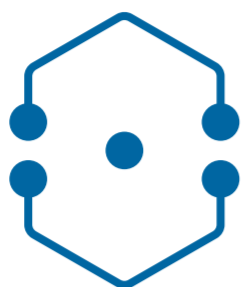


# TE Connectivity's Digital Thermopile Sensor is a Smart Solution for Smart Products

## SENSOR FEATURES



**EFFICIENCY**



**MINIATURIZATION**



**LOW ENERGY CONSUMPTION**



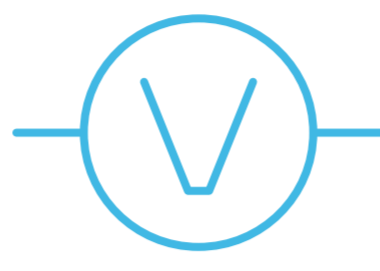
**ACCURACY AND PRECISION**

Digital Thermopile Sensor (TSD) is offered off the shelf but is also available for a wider range of temperature solutions and applications, e.g.  $\pm 4.5^{\circ}\text{C}$  at  $300^{\circ}\text{C}$ .

## DESIGNED FOR IoT



**High Accuracy:**  
 $\pm 1^{\circ}\text{C}$  from  $0^{\circ}\text{C}$  to  $100^{\circ}\text{C}$



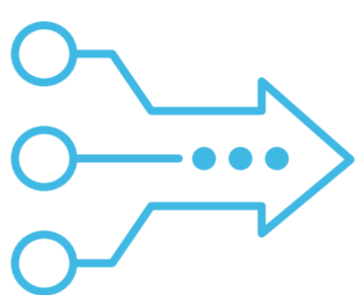
**Low Voltage:**  
 $1.68\text{V} - 3.6\text{V}$



**Low Current Consumption:**  
 $20\text{nA}$  @ Sleep



**Hermetically sealed for greater reliability**



**I<sup>2</sup>C Interface**

## DIGITAL v. ANALOG

Digital Thermopile Sensor is a cost-effective alternative to "less expensive" analog sensors.



**DIGITAL over ANALOG**



Analog sensors require additional electric components, resulting in additional costs to OEMs while slowing down go-to-market plans — an issue that can make or break product introductions.

## DESIGN



**small packaging limits design footprint**



**plug and play interconnectivity allows for ease of integration**

# DIGITAL THERMOPILE SENSOR

## IoT APPLICATIONS



**MEDICAL**



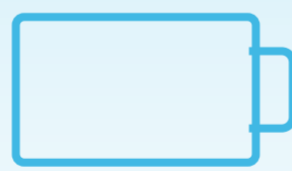
**AEROSPACE**



**HVAC**



**FIRE**



**BATTERIES**



**CAMERAS**



**HOMES**

TE Connectivity is a global leader in developing sensor solutions for harsh and complex environments. As the engineer's engineer, we combine advanced technologies with a vast product portfolio to deliver high-quality, intelligent, sensor solutions that deliver precise, reliable performance for a wide range of applications.



**Call us today to learn more.**

Contact us

Learn more

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