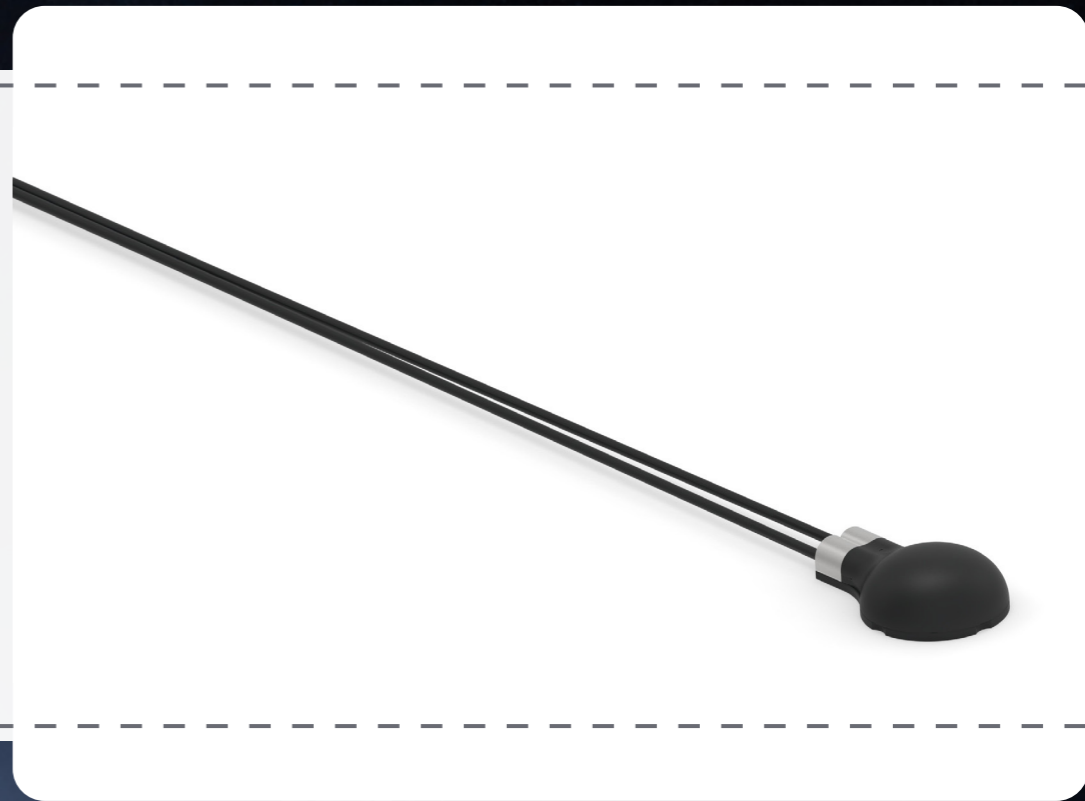


# LOW EARTH ORBIT (LEO) NTC SURFACE MOUNT TEMPERATURE SENSOR FOR LEO & COMMERCIAL SPACE APPLICATIONS



## DELIVER HIGH RELIABILITY AT A LOWER COST

Our NTC thermistor probes are built for extreme space environments, with temperatures ranging from  $-60^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$ , with nominal resistances of  $15\text{k}\Omega$  at  $+25^{\circ}\text{C}$ . These sensors are designed for easy installation, offering various wire lengths, and provides excellent heat transfer. These sensors are designed, manufactured, tested, and inspected on the same production line, using the same equipment, processes, operators, and quality system as our ESA Qualified Parts List. With over 20 years of space flight heritage and extensive design experience, our LEO sensors deliver high reliability performance, at a lower cost.

### TOP 3 BENEFITS

of NTC Surface Mount Temperature Sensor

#### LOW-COST VERSION BASED ON ESA QUALIFIED SENSOR



Our low-cost NTC temperature sensor for Low Earth Orbit is modeled after the ESA-qualified version, maintaining high quality at a lower cost. Produced using the same production line and processes, we've streamlined the testing process to offer a cost-effective yet high-performing sensor.

#### HIGH RELIABILITY



Our LEO sensor delivers high reliability and excellent stability. All our sensors are designed, manufactured, tested, and inspected on the same production line, using the same equipment, processes, operators, and quality system as our ESA-qualified parts. This ensures consistency across our sensor's portfolio with high reliability performance.

#### EASY INTEGRATION



The LEO Sensor simplifies mounting on various surfaces with its design that ensures direct contact, providing excellent heat transfer and accurate temperature readings. Our sensors come in multiple wire lengths and insulation options, making them versatile for different designs and usable at various distances from the circuit. This design reduces the need for manual cutting or soldering extensions, streamlining the installation process.

## NEW SPACE LEO SURFACE MOUNT TEMPERATURE SENSOR APPLICATIONS:

### LEO SATELLITE PLATFORM AND PAYLOAD APPLICATIONS



CUBESATS



PAYLOAD

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