



# TS1000 RTD Aerospace-Rated



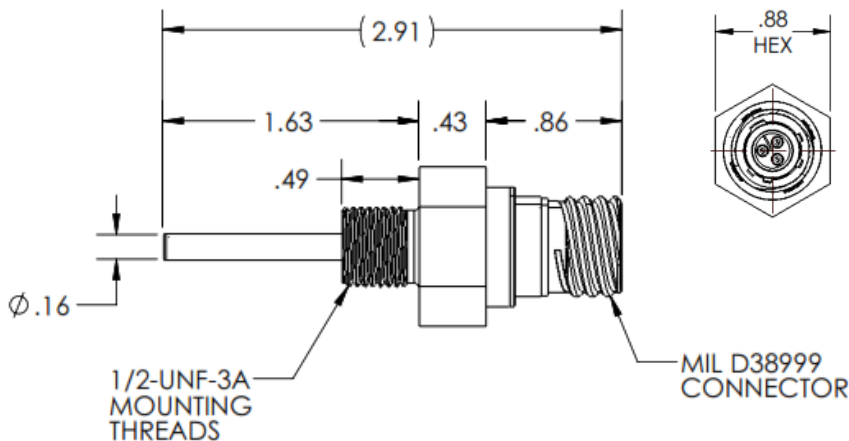
- ▶ **Robust and designed for harsh conditions**
- ▶ **Fast response time**
- ▶ **Customizable: Probe Length, Mounting thread and connector**

The TS1000 temperature probe provides a measurement solution where heat, dust and moisture are prevalent and where a compact and robust high-reliability design is required. This sensor is particularly suitable for demanding temperature monitoring

applications on Aerospace applications. Our RTD is equipped for, but not limited to, measurement of liquids and gases used in Aircraft Engine Bay and propulsion temp monitoring, Avionics cooling circuits, Military vehicle power systems, Environmental Control Systems.

Specifications		
Element:	PT100B	PT1000A
Accuracy:	$\pm (0.3 K + 0,005 \times  t )$	$\pm (0.15 K + 0,002 \times  t )$
Working temperature:	-40°C to 150°C (-40°F to 300°F)	
Sealing:	IP67	
Response time in still water t90:	7 s	
Recommended applied current (self heating must be considered)	1 mA at 100 $\Omega$ 0.3 mA at 1000 $\Omega$	
Housing:	Stainless steel	
Connector	MIL D38999	
recommended Mating Connector	Mates with MIL-DTL-38999 Series III connector, matching shell size and insert arrangement	
Weight:	< 50 gr (<2oz)	

## Dimensions



## NOTES:

1. STAINLESS STEEL CONSTRUCTION
2. HERMETICALLY SEALED
3. ELEMENT: RTD PT100 OR PT1000
4. ACCURACY:  $\pm 0.15 K + 0,0002 \times |T|$
5. OPERATING TEMPERATURE: -40°C TO 150°C (-40°F TO 300°F)
7. RECOMMENDED APPLIED CURRENT: 0.3mA AT 1000 $\Omega$
8. WEIGHT: < 50 gr (< 2oz)
9. CUSTOMIZABLE:
  - PROBE LENGTH
  - MOUNTING THREAD
  - CONNECTOR