ETP - RT - PT
TEMPERATURE SENSOR



- **SMT Ring Terminal Probe**
- **Temperature range -40 to +250° C**
- **Available in a range of sizes**
- **PT100 and PT1000 available**
- **Custom designs available**
- **Higher temperature range available**

Typical applications for these temperature sensors are

Industrial equipment	Transit	HVAC
Power and utilities	Computers	Home appliances
Calibration and instrumentation		

Features

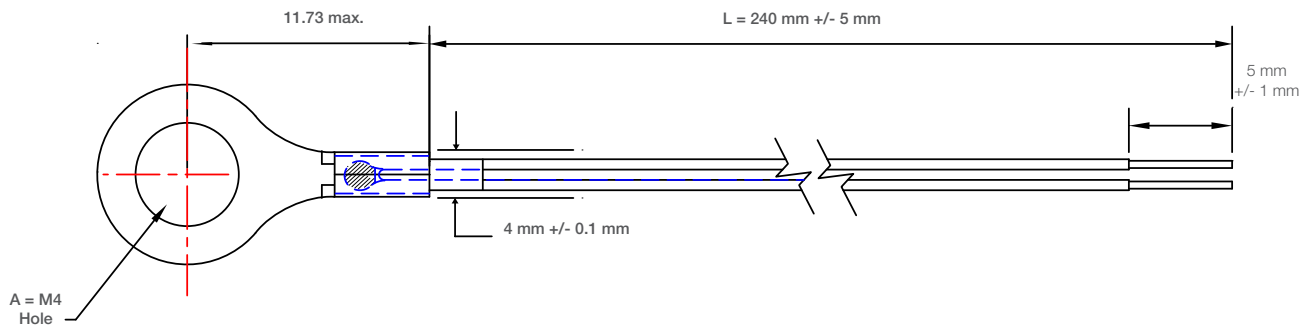
Cost effective - off the shelf model

Stock model - reduced lead times

Improved potting epoxy has outstanding thermal conductivity for faster response times

Specifications	
Sensing element	PT100 class B
Accuracy	± (0,3 K + 0,005 x |t|) °C
Operating temperature	-40 to +250° C
Epoxy thermal conductivity	1.7 W/(m.K)
Recommended applied current (self heating must be considered)	1 mA at 100 Ω 0.3 mA at 1000 Ω
Materials	
Leads and insulation	PTFE insulated leads 7 / 0.2 (24AWG)
Probe material	Tin plated copper

Reference dimensions



Ordering information

(Please use the characters in the chart below to construct your product code)

Sample Code 93167 - ETP - RT - 4 - 24 - PT100B

Probe Size	
4	M4
5	M5
6	M6
8	M8
x	optional stud size

Probe cable length	
5	50
10	100
15	150
20	200
23	230
25	250
30	300
35	350
40	400
45	450
x	Custon length

Thermistor Type	
PT100B	PT100B class B
PT100A	PT100A class A
PT1000B	PT1000B class B
PT1000A	PT1000A class A

Stock models:

93167-ETP-RT-4-24-PT100B
94425-ETP-RT-4-100-PT100B
93156-ETP-RT-4-24-PT1000A
94848-ETP-RT-4-100-PT1000A
94948-ETP-RT-4-15-PT1000A