

- **SMT Ring Terminal Probe**
- **Temperature range -50 to +150° 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

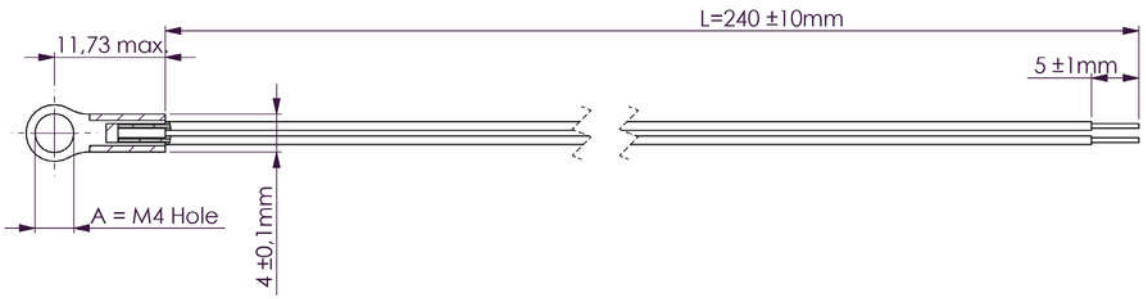
Industrial equipment	Transit	HVAC
Power and utilities	Computers	Home appliances
Medical devices	Calibration and instrumentation	

Features

Cost effective - off the shelf model
Stock model - reduced lead times
Improved PU resin has outstanding thermal conductivity for faster response times

Specification	DIN EN 60751 (according to IEC 751)		
Temperature range	-50 °C to +150 °C		
Nominal resistance	100 Ω at 0 °C 1000 Ω at 0 °C		
Long-term stability	< 0.04% at 1000 h at 130 °C		
Tolerance class	Class A IEC 60751 F0.15 Class B IEC 60751 F0.30	± deviations in °C 0.15 +0.002 x T 0.30 + 0.005 x T	Temperature range of validity in °C -30 to +150 -50 to +150
Temperature coefficient	3850 ppm/K		
Insulation resistance	> 5 MΩ at 750 VDC		
Recommended applied current (self heating must be considered)	1 mA at 100 Ω 0.3 mA at 1000 Ω		
Materials			
Leads and insulation	AWG28 silver-plated copper wire with white PTFE insulation		
Probe material	Tin plated copper		

Reference dimensions



Ordering information

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

Sample Code 810xxx - LTP - RT - 4 - 24 - PT100B

Probe Size	
4	M4 (Standard)
5	M5
6	M6
x	optional stud size

Probe cable length in mm	
5	50
10	100
15	150
20	200
24	240 (Standard)
25	250
30	300
35	350
40	400
45	450
100	1000
x	Custom length

Thermistor Type	
PT100B	PT100 class B
PT1000A	PT1000 class A

Stock models:

810113-LTP-RT-4-24-PT100B
810112-LTP-RT-4-24-PT1000A

If you require a customized solution for your program contact our sales team.