



- -50-110°C Operating Temperature
- Temperature Sensor - .1C Resolution
- Overmolded NTC probe
- IP67
- Media – Liquid, Air, & Gas

DESCRIPTION

The PTS11 temperature sensor is designed for temperature applications in high humidity environments. The overmolded glass encapsulated NTC allows for additional protection against water ingress. The low cost automated manufacturing process allows for a cost effective solution.

APPLICATIONS

- Commercial Refrigeration
- HVAC
- Semiconductor
- Liquid /Gas Chromotagraphy
- Commercial Ovens

Maximum Environmental Ratings

Operating Temperature -50°C to 110°C

Storage Temperature Range -55°C to 110°C

Resistance vs Temperature Chart

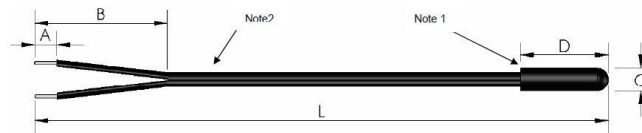
Temp. °C	Ohms
0	32651
1	31031
2	29501
3	28054
4	26688
5	25395
6	24173
7	23016
8	21921
9	20885
10	19903
11	18973
12	18092
13	17257
14	16465
15	15714
16	15001
17	14325

Temp. °C	Ohms
18	13682
19	13073
20	12493
21	11943
22	11420
23	10923
24	10450
25	10000
26	9572
27	9165
28	8777
29	8408
30	8056
31	7721
32	7402
33	7097
34	6807
35	6530

Temp. °C	Ohms
36	6266
37	6014
38	5774
39	5544
40	5325
41	5116
42	4916
43	4724
44	4542
45	4367
46	4200
47	4040
48	3887
49	3741
50	3601
51	3467
52	3339
53	3216

Temp. °C	Ohms
54	3098
55	2985
56	2877
57	2773
58	2674
59	2579
60	2487
61	2399
62	2315
63	2234
64	2157
65	2082
66	2011
67	1942
68	1876
69	1813
70	1752

Mechanical Dimensions (inches),



	Dimension			
	A	B	C	D
	5 ± 1mm	35 ± 3mm	Ø 5mm	15 ± 1mm
Note 1	NTC encapsulated using White TPU over-mold material (Temp. Rating +125°C)			
Note 2	24AWG (7/32) Tin plated Zipcord cable with Black TPE jacket (Temp. Rating +125°C)			

Part Number Configuration

PTS11-0-10K

Model

Connection(0= flying leads, 1= AMP Female,
2= AMP Male)

Ohm Value @ 25C(10k=10000ohms)

Cable Length (0=2Ft, 1= 4ft, 2=6ft, 3= 8ft)

Ph(480) 462-1810 sales@PhoenixSensors.com

Notice:

Phoenix Sensors LLC reserves the right to make changes to the product contained in this publication. Phoenix Sensors LLC assumes no responsibility for the use of any circuits described herein, conveys no license under any patent or other right, and makes no representation that the circuits are free of patent infringement. While the information in this publication has been checked, no responsibility, however, is assumed for inaccuracies.

Phoenix Sensors LLC does not recommend the use of any of its products in life support applications where the failure or malfunction of the product can reasonably be expected to cause failure of a life-support system or to significantly affect its safety or effectiveness. Products are not authorized for use in such applications.