



- -30-100°C Operating Temperature
- Temperature Sensor - .1C Resolution
- Overmolded NTC probe
- IP67
- Media – Liquid, Air, & Gas

DESCRIPTION

The PTS10 temperature sensor is designed for temperature applications in high humidity environments. The overmolded NTC allows for additional protection against water ingress. The low cost automated manufacturing process allows for a cost effective solution.

APPLICATIONS

- Industrial Automation
- HVAC
- Semiconductor
- Liquid /Gas Chromotagraphy
- Commercial Ovens

Maximum Environmental Ratings

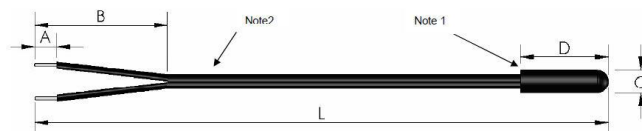
Operating Temperature -30°C to 100°C

Storage Temperature Range -55°C to 150°C

Resistance vs Temperature Chart

Ohm (K)	Temp (C)	Ohm (K)	Temp (C)	Ohm (K)	Temp (C)	Ohm (K)	Temp (C)	Ohm (K)	Temp (C)	Ohm (K)	Temp (C)	Ohm (K)	Temp (C)
100.58	-28	40.55	-9	17.24	11	8.02	31	4.03	51	2.16	71	1.23	91
95.64	-27	38.76	-8	16.56	12	7.73	32	3.9	52	2.1	72	1.2	92
90.97	-26	37.06	-7	15.91	13	7.46	33	3.77	53	2.04	73	1.17	93
86.55	-25	35.44	-6	15.29	14	7.2	34	3.66	54	1.98	74	1.14	94
82.37	-24	33.91	-5	14.69	15	6.95	35	3.54	55	1.93	75	1.11	95
78.42	-23	32.44	-4	14.12	16	6.7	36	3.43	56	1.87	76	1.08	96
74.68	-22	31.05	-3	13.58	17	6.47	37	3.32	57	1.82	77	1.05	97
71.13	-21	29.73	-2	13.06	18	6.25	38	3.22	58	1.77	78	1.02	98
67.77	-20	28.47	-1	12.56	19	6.04	39	3.12	59	1.72	79	1	99
64.59	-19	27.27	0	12.09	20	5.83	40	3.02	60	1.67	80	0.97	100
61.58	-18	26.12	1	11.63	21	5.63	41	2.93	61	1.62	81		
58.72	-17	25.03	2	11.2	22	5.44	42	2.84	62	1.58	82		
56.01	-16	23.99	3	10.78	23	5.26	43	2.75	63	1.53	83		
53.44	-15	23	4	10.38	24	5.08	44	2.67	64	1.49	84		
51.01	-14	22.06	5	10	25	4.92	45	2.59	65	1.45	85		
48.69	-13	21.16	6	9.63	26	4.75	46	2.51	66	1.41	86		
46.5	-12	20.3	7	9.28	27	4.6	47	2.44	67	1.37	87		
44.41	-11	19.48	8	8.95	28	4.45	48	2.37	68	1.34	88		
42.43	-10	18.7	9	8.62	29	4.3	49	2.3	69	1.3	89		
		17.95	10	8.31	30	4.16	50	2.23	70	1.27	90		

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

PTS1000-10K

Model	_____	_____	_____	_____
(0= flying leads, 1= Molex connector) Connection	_____	_____	_____	_____
(0= Table 1)NTC Output	_____	_____	_____	_____
Ohm Value @ 25C(10k=10000ohms, 1k=1000ohm)	_____	_____	_____	_____
Cable Length (0=3Ft, 1= 6ft, 2=9ft, 3= Custom)	_____	_____	_____	_____

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