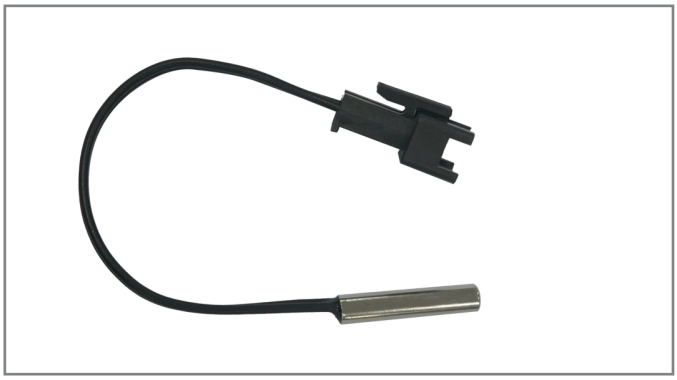
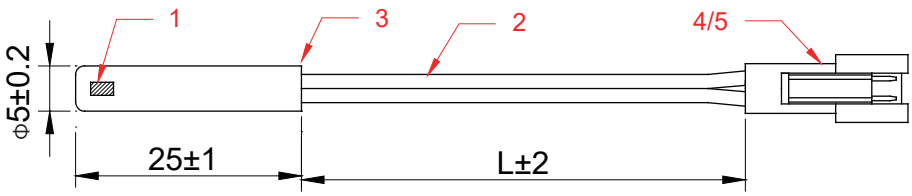
TEMPERATURE SENSOR PROBE SERIES

NTC Sensor -Probe Assembly With Tube Shell

Model: GDSN50200205

The temperature sensor is composed of a metal shell encapsulated thermistor, which can be widely used for temperature measurement and control in refrigerators, air conditioners, freezers, wine cabinets, etc.





Product parameters	
1.Chip	NTC thermistor
2.Wire	UL2651 VM-1 105°C 300V 26AWG Black
3.Shell	Φ 25*5 Brass
5.Connector Terminal	C2501-TP2 (SM AT11)
6.Connector Housing	C2501-H02 SM-2A black female

Electrical Specifications	
R(25)	5KΩ±2%
B(25/50)	3470K±2%
Operating temp.Range(°C)	-30 to +80°C
Response time in liquid	Max 15s
Insulation test	DC500V≥100MΩ 2s
Voltage withstand test	1800V AC 2mA 3S

Note: All parameters can be customized

FEATURES

- Good stability and high reliability
- High sensitivity and fast reaction speed
- Wide temperature range from -30 °C to +80 °C
- Wide resistance range: 5KΩ-500KΩ
- Resistant to corrosive atmospheres and harsh environments
- Convenient installation

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R25=10KΩ±2% B25/50=3470K±2%

T(℃)	Rnor(KΩ)	T(℃)	Rnor(KΩ)	T(℃)	Rnor(KΩ)	T(℃)	Rnor(KΩ)
-30	62.7686	5	11.3485	40	2.8701	75	0.9753
-29	59.4247	6	10.8667	41	2.7703	76	0.9475
-28	56.2809	7	10.4082	42	2.6745	77	0.9207
-27	53.3239	8	9.9716	43	2.5825	78	0.8947
-26	50.5415	9	9.5559	44	2.4942	79	0.8696
-25	47.9223	10	9.1599	45	2.4093	80	0.8454
-24	45.4557	11	8.7825	46	2.3278	81	0.8219
-23	43.132	12	8.4228	47	2.2494	82	0.7992
-22	40.942	13	8.0799	48	2.1741	83	0.7772
-21	38.8771	14	7.7529	49	2.1017	84	0.7559
-20	36.9295	15	7.441	50	2.0321	85	0.7353
-19	35.0917	16	7.1434	51	1.9651	86	0.7154
-18	33.3571	17	6.8593	52	1.9006	87	0.6961
-17	31.7191	18	6.5881	53	1.8387	88	0.6774
-16	30.1717	19	6.3292	54	1.779	89	0.6593
-15	28.7095	20	6.0818	55	1.7216	90	0.6418
-14	27.3273	21	5.8455	56	1.6663	91	0.6248
-13	26.0202	22	5.6197	57	1.613	92	0.6083
-12	24.7836	23	5.4038	58	1.5618	93	0.5924
-11	23.6134	24	5.1974	59	1.5124	94	0.5769
-10	22.5057	25	5	60	1.4648	95	0.5619
-9	21.4567	26	4.8112	61	1.419	96	0.5474
-8	20.4629	27	4.6305	62	1.3748	97	0.5333
-7	19.5212	28	4.4576	63	1.3322	98	0.5196
-6	18.6285	29	4.2921	64	1.2911	99	0.5064
-5	17.782	30	4.1336	65	1.2515	100	0.4935
-4	16.9791	31	3.9818	66	1.2133	101	0.4811
-3	16.2172	32	3.8364	67	1.1765	102	0.469
-2	15.494	33	3.6971	68	1.1409	103	0.4573
-1	14.8074	34	3.5636	69	1.1066	104	0.4459
0	14.1552	35	3.4356	70	1.0735	105	0.4348
1	13.5357	36	3.3129	71	1.0416	106	0.4241
2	12.9469	37	3.1952	72	1.0108	107	0.4137
3	12.3871	38	3.0823	73	0.981	108	0.4036
4	11.8548	39	2.974	74	1.004	109	0.3937