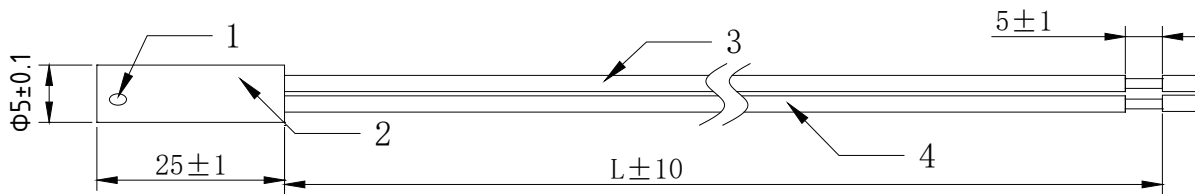


# TEMPERATURE SENSOR PROBE SERIES

NTC Sensor -Probe Assembly With Tube Shell

Model: GDSN103002

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/PTC Thermistor
2.Shell	$\Phi 5 \times 25$ stainless steel/copper shell
3.Wire 1	UL1332 26AWG Black
4.Wire 2	UL1332 26AWG White

## Electrical Specifications

R(25)	$10K\Omega \pm 1\%$
B(25/50)	$3470K \pm 1\%$
Operating temp.Range( $^{\circ}C$ )	-30 to +125 $^{\circ}C$
Response time in liquid	Max 15s
Insulation test	DC500V $\geq 100M\Omega$ 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  $^{\circ}C$  to +125  $^{\circ}C$
- Wide resistance range: 5K $\Omega$ -500K $\Omega$
- Resistant to corrosive atmospheres and harsh environments
- Convenient installation

DONGGUAN CITU GUANDE SENSOR TECHNOLOGY .,LTD

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# NTC THERMISTOR SERIES

High accuracy / Stable performance / Quick response



R25=10KΩ±1% B25/50=3470K±1%

T(°C)	Rnor(K Ω)	T(°C)	Rnor(K Ω)	T(°C)	Rnor(K Ω)	T(°C)	Rnor(K Ω)
-30	122.7262	5	22.596	40	5.7444	75	1.8385
-29	116.2717	6	21.6437	41	5.5446	76	1.7845
-28	110.1982	7	20.7369	42	5.3527	77	1.7324
-27	104.4809	8	19.873	43	5.1684	78	1.6819
-26	99.0967	9	19.05	44	4.9913	79	1.6332
-25	94.0242	10	18.2656	45	4.8212	80	1.5861
-24	89.2434	11	17.5178	46	4.6577	81	1.5406
-23	84.7359	12	16.8048	47	4.5005	82	1.4966
-22	80.4844	13	16.1246	48	4.3494	83	1.454
-21	76.4727	14	15.4757	49	4.2041	84	1.4128
-20	72.686	15	14.8564	50	4.0644	85	1.373
-19	69.1102	16	14.2653	51	3.9299	86	1.3344
-18	65.7325	17	13.7008	52	3.8006	87	1.2971
-17	62.5405	18	13.1618	53	3.6761	88	1.261
-16	59.5232	19	12.6468	54	3.5563	89	1.2261
-15	56.6698	20	12.1547	55	3.441	90	1.1923
-14	53.9705	21	11.6843	56	3.3299	91	1.1595
-13	51.4161	22	11.2347	57	3.223	92	1.1278
-12	48.998	23	10.8047	58	3.12	93	1.0971
-11	46.7082	24	10.3935	59	3.0208	94	1.0674
-10	44.539	25	<b>10</b>	60	2.9251	95	1.0386
-9	42.4835	26	9.6235	61	2.833	96	1.0107
-8	40.535	27	9.2631	62	2.7442	97	0.9836
-7	38.6874	28	8.9181	63	2.6585	98	0.9574
-6	36.9349	29	8.5877	64	2.576	99	0.932
-5	35.272	30	8.2713	65	2.4964	100	0.9074
-4	33.6937	31	7.9681	66	2.4196	101	0.8836
-3	32.1952	32	7.6776	67	2.3455	102	0.8604
-2	30.772	33	7.3991	68	2.274	103	0.838
-1	29.42	34	7.1322	69	2.205	104	0.8162
0	28.1351	35	6.8763	70	2.1385	105	0.7951
1	26.9136	36	6.6308	71	2.0742	106	0.7746
2	25.7522	37	6.3953	72	2.0122	107	0.7548
3	24.6475	38	6.1694	73	1.9523	108	0.7355
4	23.5964	39	5.9525	74	1.8944	109	0.7168

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