

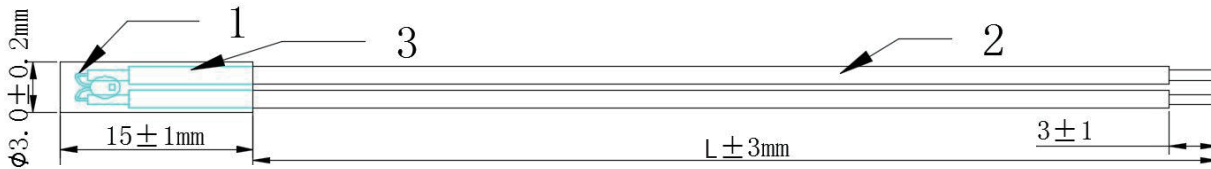
TEMPERATURE SENSOR PROBE SERIES

NTC Sensor -Probe Assembly with Plastic Housing



Model: GDSN103064

The temperature sensor adopt NTC thermistor chips and encapsulated in PTFE, the sensor has high stability and fast response.Used in storage energy, battery packs and car,etc.



Product parameters	
1.Chip	NTC thermistor
2.Wire Matetial	24AWG Teflon black wire
3.Probe Material	PTFE

Electrical Specifications	
R(25)	10KΩ±1%
B(25/85)	3435K±1%
Operating temp.Range(°C)	-30 to +150°C
Response time in liquid	Max 8s
Insulation test	DC500V≥100MΩ 2s
Voltage withstand test	2000V 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 -50 °C to +150°C
- Wide resistance range: 5KΩ-500KΩ
- Resistant to corrosive atmospheres and harsh environments
- Convenient installation

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NTC THERMISTOR SERIES

High accuracy / Stable performance / Quick response



R25=10KΩ±1% B25/85=3435K±1%

T _{emp.} (deg. C)	R _{nor} (k Ohms)	T _{emp.} (deg. C)	R _{nor} (k Ohms)	T _{emp.} (deg. C)	R _{nor} (k Ohms)	T _{emp.} (deg. C)	R _{nor} (k Ohms)	T _{emp.} (deg. C)	R _{nor} (k Ohms)
-50	366.429	-16	57.294	18	13.077	53	3.774	88	1.341
-49	344.575	-15	54.600	19	12.577	54	3.654	89	1.305
-48	324.180	-14	52.049	20	12.099	55	3.539	90	1.270
-47	305.134	-13	49.633	21	11.641	56	3.428	91	1.237
-46	287.341	-12	47.344	22	11.204	57	3.322	92	1.204
-45	270.710	-11	45.174	23	10.785	58	3.219	93	1.173
-44	255.156	-10	43.117	24	10.384	59	3.119	94	1.142
-43	240.604	-9	41.166	25	10.000	60	3.023	95	1.113
-42	226.981	-8	39.315	26	9.632	61	2.931	96	1.084
-41	214.223	-7	37.559	27	9.280	62	2.842	97	1.056
-40	202.269	-6	35.891	28	8.943	63	2.756	98	1.029
-39	191.064	-5	34.307	29	8.620	64	2.673	99	1.003
-38	180.555	-4	32.803	30	8.310	65	2.593	100	0.977
-37	170.694	-3	31.373	31	8.012	66	2.516	101	0.953
-36	161.439	-2	30.015	32	7.728	67	2.441	102	0.929
-35	152.747	-1	28.723	33	7.454	68	2.369	103	0.906
-34	144.581	0	27.494	34	7.192	69	2.299	104	0.883
-33	136.905	1	26.325	35	6.940	70	2.232	105	0.861
-32	129.688	2	25.212	36	6.699	71	2.167	106	0.840
-31	122.899	3	24.153	37	6.467	72	2.105	107	0.819
-30	116.509	4	23.144	38	6.244	73	2.044	108	0.799
-29	110.493	5	22.184	39	6.030	74	1.985	109	0.780
-28	104.827	6	21.268	40	5.825	75	1.929	110	0.761
-27	99.488	7	20.396	41	5.628	76	1.874	111	0.743
-26	94.456	8	19.564	42	5.438	77	1.821	112	0.725
-25	89.710	9	18.771	43	5.256	78	1.770	113	0.707
-24	85.233	10	18.015	44	5.080	79	1.720	114	0.691
-23	81.008	11	17.294	45	4.912	80	1.673	115	0.674
-22	77.019	12	16.605	46	4.750	81	1.626	116	0.658
-21	73.252	13	15.948	47	4.594	82	1.581	117	0.643
-20	69.693	14	15.320	48	4.444	83	1.538	118	0.628
-19	66.329	15	14.720	49	4.300	84	1.496	119	0.613
-18	63.149	16	14.148	50	4.161	85	1.455	120	0.599
-17	60.140	17	13.600	51	4.027	86	1.416	121	0.585

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