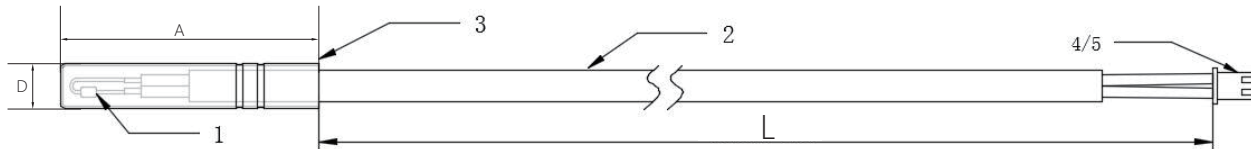


TEMPERATURE SENSOR PROBE SERIES

NTC Sensor -Probe Assembly With Tube Shell

Model: GDSN103001

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	
Shell	Φ 5 * 50 stainless steel/copper shell
Wire	UL2464 24AWG 80 °C 300V black covered wire OD=4.0
Connector Terminal	XH-T
Connector Housing	XH-2Y

Electrical Specifications	
R(25)	10KΩ±1%
B(25/50)	3950K±1%
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

NTC THERMISTOR SERIES

High accuracy / Stable performance / Quick response



R25=10KΩ±1% B25/50=3950K±1%

T (deg.C)	Rnor (k Ohms)	T (deg.C)	Rnor (k Ohms)	T (deg.C)	Rnor (k Ohms)	T (deg.C)	Rnor (k Ohms)
-30	179.2666	4	26.7556	38	5.7642	72	1.6231
-29	168.4053	5	25.4562	39	5.5342	73	1.5689
-28	158.2726	6	24.2274	40	5.3146	74	1.5168
-27	148.8151	7	23.065	41	5.1049	75	1.4667
-26	139.9837	8	21.965	42	4.9045	76	1.4185
-25	131.7332	9	20.9239	43	4.713	77	1.3722
-24	124.0216	10	19.938	44	4.53	78	1.3275
-23	116.8107	11	19.0041	45	4.3551	79	1.2845
-22	110.0648	12	18.1193	46	4.1878	80	1.2431
-21	103.7512	13	17.2807	47	4.0278	81	1.2033
-20	97.8396	14	16.4857	48	3.8748	82	1.1649
-19	92.302	15	15.7317	49	3.7283	83	1.1279
-18	87.1124	16	15.0164	50	3.5882	84	1.0923
-17	82.2471	17	14.3376	51	3.454	85	1.058
-16	77.6837	18	13.6933	52	3.3255	86	1.0249
-15	73.4018	19	13.0816	53	3.2025	87	0.993
-14	69.3823	20	12.5005	54	3.0846	88	0.9623
-13	65.6077	21	11.9485	55	2.9717	89	0.9326
-12	62.0616	22	11.4239	56	2.8635	90	0.904
-11	58.7288	23	10.9252	57	2.7597	91	0.8764
-10	55.5953	24	10.451	58	2.6603	92	0.8498
-9	52.648	25	10	59	2.5649	93	0.8241
-8	49.8747	26	9.5709	60	2.4734	94	0.7994
-7	47.2643	27	9.1626	61	2.3856	95	0.7754
-6	44.8062	28	8.7738	62	2.3014	96	0.7523
-5	42.4906	29	8.4037	63	2.2206	97	0.73
-4	40.3086	30	8.0512	64	2.1431	98	0.7085
-3	38.2516	31	7.7154	65	2.0686	99	0.6877
-2	36.3117	32	7.3953	66	1.997	100	0.6676
-1	34.4817	33	7.0903	67	1.9283	101	0.6482
0	32.7547	34	6.7995	68	1.8623	102	0.6295
1	31.1243	35	6.5221	69	1.7989	103	0.6113
2	29.5847	36	6.2576	70	1.738	104	0.5938
3	28.1301	37	6.0051	71	1.6794	105	0.5769

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