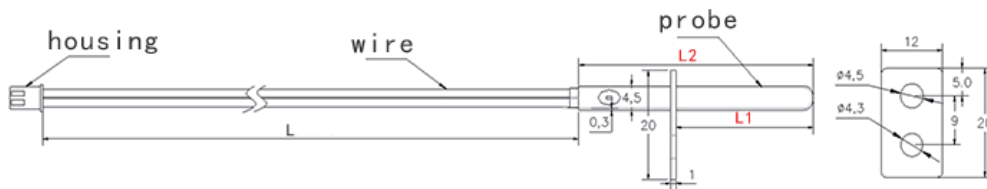
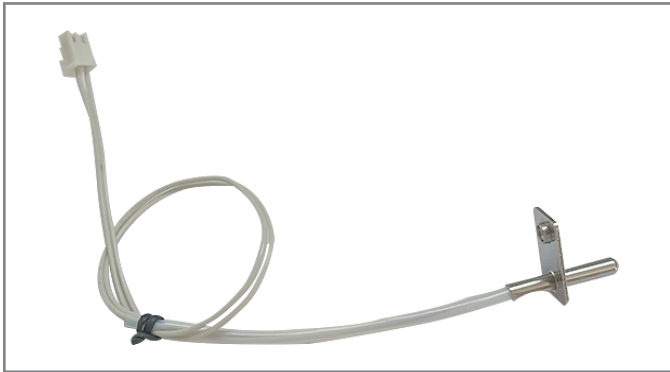


# TEMPERATURE SENSOR PROBE SERIES

NTC Sensor -Probe Assembly with Flanged Housing

Model: GDSN503027

The temperature sensor adopt NTC thermistor chips and encapsulated in a stainless steel shell with epoxy resin, the sensor has high stability and fast response.Used in home appliances.



Product parameters	
Chip	NTC thermistor
Wire Matetial	UL2651 28AWG 105°C 300V ,Black
Shell	Φ4.5stainless steel+20*12*1 Flange
Connector Terminal	XH-T
Connector Housing	XH-2Y

Electrical Specifications	
R(25)	50KΩ±1%
B(25/50)	3950K±1%
Operating temp.Range(°C)	-30 to +100°C
Response time in liquid	Max 5s
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 -50 °C to +100°C
- Wide resistance range: 5KΩ-500KΩ
- 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=50K $\Omega$  $\pm$ 1% B25/50=3950K $\pm$ 1%

T( °C )	Rnor(K $\Omega$ )	T( °C )	Rnor(K $\Omega$ )	T( °C )	Rnor(K $\Omega$ )	T( °C )	Rnor(K $\Omega$ )
-20	454.1	11	94.127	41	25.447	71	8.112
-19	429.598	12	89.832	42	24.433	72	7.828
-18	406.596	13	85.761	43	23.465	73	7.556
-17	384.99	14	81.901	44	22.542	74	7.294
-16	364.687	15	78.24	45	21.66	75	7.043
-15	345.6	16	74.727	46	20.849	76	6.801
-14	327.506	17	71.395	47	20.074	77	6.568
-13	310.487	18	68.233	48	19.332	78	6.344
-12	294.473	19	65.231	49	18.621	79	6.129
-11	279.398	20	62.38	50	17.941	80	5.923
-10	265.2	21	59.644	51	17.22	81	5.723
-9	251.718	22	57.046	52	16.532	82	5.532
-8	239.015	23	54.577	53	15.875	83	5.348
-7	227.042	24	52.231	54	15.248	84	5.17
-6	215.751	25	<b>50</b>	55	14.65	85	5
-5	205.1	26	47.857	56	14.098	86	4.835
-4	194.944	27	45.819	57	13.571	87	4.677
-3	185.361	28	43.88	58	13.066	88	4.524
-2	176.315	29	42.036	59	12.583	89	4.377
-1	167.771	30	40.28	60	12.12	90	4.236
0	159.7	31	38.59	61	11.676	91	4.099
1	151.98	32	36.981	62	11.251	92	3.968
2	144.685	33	35.449	63	10.844	93	3.841
3	137.789	34	33.99	64	10.454	94	3.719
4	131.269	35	32.6	65	10.08	95	3.602
5	125.1	36	31.262	66	9.717	96	3.488
6	119.217	37	29.988	67	9.369	97	3.379
7	113.65	38	28.773	68	9.035	98	3.273
8	108.38	39	27.615	69	8.715	99	3.171
9	103.388	40	26.51	70	8.408	100	3.073
10	98.66						

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