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库顿温度传感器

Create more for you

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业务咨询



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# 温度传感器

## KMT100 NTC

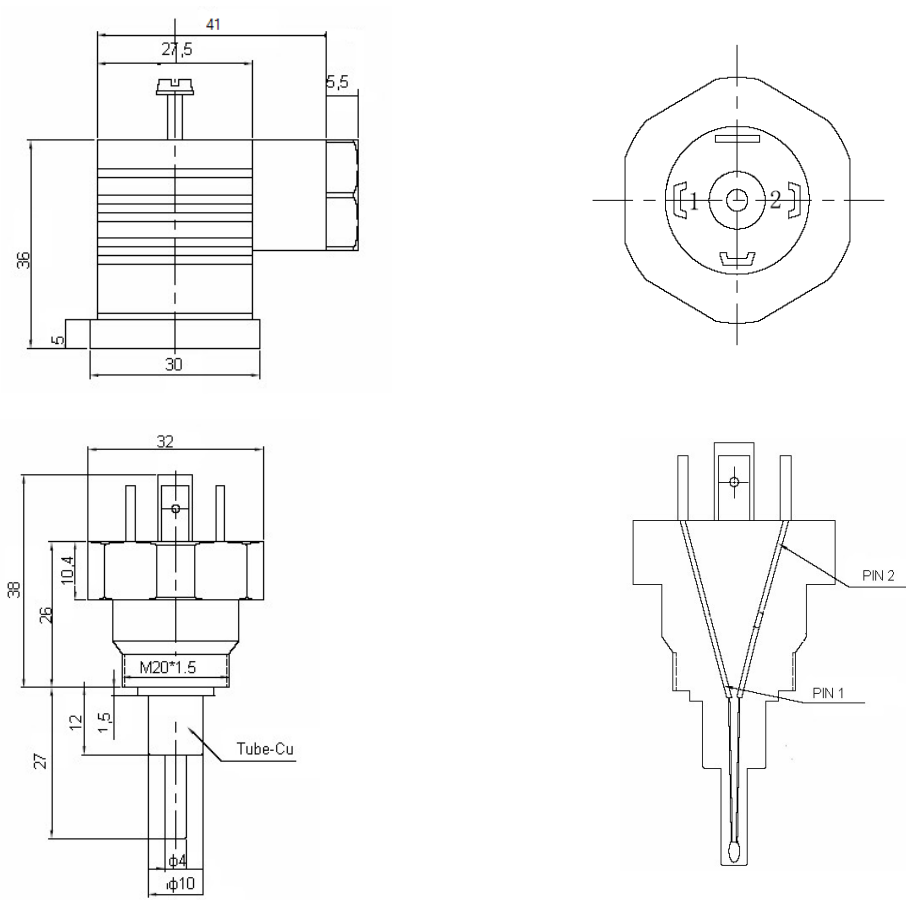


- 工业级NTC传感器
- 阻值范围为168.8kΩ至398Ω (-40℃至125℃)
- M20标准接口
- IP65防护等级
- 27mm 铜探头
- 响应时间短
- 温度精度高

### 技术参数

温度传感器类型	NTC
温度范围	168.8KΩ to 398Ω (-40℃ to 125℃)
温度精度	±0.3%
B值	R25℃=5KΩ±0.5% B25/50℃=3970K±0.5%
热耗散系数	Min 2.0mW/℃ (in air)
温度响应时间	≤3s
电气连接	PG 9
导体尺寸	Max. 1.5 mm <sup>2</sup>
标准	DIN EN 175 301-803-A
颜色	Black
结构类型	A
探头尺寸	6.3 mm x 0.8 mm, 4.8 mm x 0.8 mm
额定电压	AC/DC 250 V
额定电流	16 A
接触电阻	≤ 4 mOhm
适用电缆	4.5 mm to 7 mm 直径
连接螺纹	M20 螺纹
接触面材料	Sn
接触支架材料	PA
外壳材料	PA

尺寸图



Pin 1 and pin 2 are the temperature signal output terminals.

**R-T Table**

R-T (R25°C=5KΩ±0.8%B25/85°C=3970K±0.5%)											
T(°C)	Rmin(KΩ)	Rcent(KΩ)	Rmax(KΩ)	DR(%)	DT(°C)	T(°C)	Rmin(KΩ)	Rcent(KΩ)	Rmax(KΩ)	DR(%)	DT(°C)
-40	168.8	176.671	184.9	4.67%	0.67	1	15.31	15.639	15.98	2.16%	0.42
-39	157.8	165.039	172.6	4.59%	0.66	2	14.55	14.861	15.17	2.11%	0.41
-38	147.6	154.252	161.2	4.52%	0.66	3	13.84	14.126	14.42	2.05%	0.4
-37	138.1	144.244	150.7	4.45%	0.65	4	13.17	13.432	13.7	2.00%	0.4
-36	129.3	134.954	140.9	4.38%	0.65	5	12.53	12.776	13.03	1.95%	0.39
-35	121.1	126.325	131.8	4.31%	0.64	6	11.93	12.156	12.39	1.90%	0.38
-34	113.5	118.307	123.3	4.25%	0.64	7	11.36	11.57	11.78	1.85%	0.37
-33	106.4	110.851	115.5	4.18%	0.63	8	10.82	11.016	11.21	1.80%	0.37
-32	99.8	103.915	108.2	4.11%	0.62	9	10.31	10.491	10.67	1.75%	0.36
-31	93.7	97.46	101.4	4.04%	0.62	10	9.83	9.994	10.16	1.70%	0.35
-30	87.94	91.449	95.09	3.98%	0.61	11	9.37	9.524	9.68	1.65%	0.34
-29	82.61	85.849	89.21	3.91%	0.61	12	8.93	9.079	9.22	1.60%	0.33
-28	77.63	80.629	83.73	3.85%	0.6	13	8.52	8.657	8.79	1.56%	0.33
-27	72.99	75.761	78.63	3.78%	0.6	14	8.13	8.257	8.38	1.51%	0.32
-26	68.66	71.219	73.87	3.72%	0.59	15	7.76	7.878	7.99	1.46%	0.31
-25	64.61	66.979	69.43	3.66%	0.59	16	7.41	7.518	7.62	1.41%	0.3
-24	60.83	63.019	65.28	3.59%	0.58	17	7.08	7.177	7.27	1.37%	0.29
-23	57.29	59.319	61.41	3.53%	0.57	18	6.76	6.853	6.94	1.32%	0.29
-22	53.98	55.861	57.8	3.47%	0.57	19	6.46	6.546	6.63	1.27%	0.28
-21	50.89	52.626	54.42	3.41%	0.56	20	6.18	6.254	6.33	1.23%	0.27
-20	47.99	49.6	51.26	3.34%	0.56	21	5.91	5.977	6.05	1.18%	0.26
-19	45.28	46.767	48.3	3.28%	0.55	22	5.65	5.714	5.78	1.13%	0.25
-18	42.73	44.114	45.54	3.22%	0.54	23	5.4	5.464	5.52	1.09%	0.24
-17	40.35	41.629	42.95	3.16%	0.54	24	5.17	5.226	5.28	1.04%	0.24
-16	38.11	39.299	40.52	3.10%	0.53	25	4.95	5	5.05	1.00%	0.23
-15	36.01	37.115	38.24	3.05%	0.53	26	4.74	4.785	4.83	1.04%	0.24
-14	34.05	35.065	36.11	2.99%	0.52	27	4.53	4.58	4.63	1.09%	0.25
-13	32.2	33.142	34.11	2.93%	0.51	28	4.34	4.386	4.44	1.13%	0.26
-12	30.46	31.337	32.24	2.87%	0.51	29	4.15	4.2	4.25	1.18%	0.27
-11	28.83	29.641	30.47	2.81%	0.5	30	3.97	4.024	4.07	1.22%	0.29
-10	27.29	28.047	28.82	2.76%	0.49	31	3.81	3.856	3.9	1.26%	0.3
-9	25.85	26.549	27.27	2.70%	0.49	32	3.65	3.695	3.74	1.31%	0.31
-8	24.49	25.14	25.81	2.64%	0.48	33	3.5	3.543	3.59	1.35%	0.32
-7	23.21	23.815	24.43	2.59%	0.47	34	3.35	3.397	3.44	1.39%	0.33
-6	22.01	22.568	23.14	2.53%	0.47	35	3.21	3.259	3.31	1.43%	0.35
-5	20.87	21.394	21.92	2.48%	0.46	36	3.08	3.126	3.17	1.48%	0.36
-4	19.81	20.288	20.78	2.42%	0.45	37	2.95	3	3.05	1.52%	0.37
-3	18.8	19.245	19.7	2.37%	0.45	38	2.84	2.88	2.92	1.56%	0.38
-2	17.85	18.263	18.69	2.32%	0.44	39	2.72	2.765	2.81	1.60%	0.4
-1	16.95	17.337	17.73	2.26%	0.43	40	2.61	2.655	2.7	1.64%	0.41
0	16.106	16.463	16.827	2.21%	0.42						

**R-T (R25°C=5KΩ±0.8%B25/85°C=3970K±0.5%)**

T(°C)	Rmin(KΩ)	Rcent(KΩ)	Rmax(KΩ)	DR(%)	DT(°C)	T(°C)	Rmin(KΩ)	Rcent(KΩ)	Rmax(KΩ)	DR(%)	DT(°C)
41	2.508	2.55	2.593	1.68%	0.421	81	0.587	0.605	0.624	3.16%	0.99
42	2.408	2.45	2.492	1.72%	0.434	82	0.568	0.586	0.605	3.19%	1.01
43	2.314	2.355	2.396	1.76%	0.447	83	0.55	0.568	0.586	3.22%	1.03
44	2.223	2.263	2.304	1.80%	0.46	84	0.532	0.55	0.568	3.25%	1.04
45	2.136	2.176	2.216	1.84%	0.473	85	0.516	0.5328	0.55	3.29%	1.06
46	2.053	2.092	2.132	1.88%	0.486	86	0.5	0.516	0.533	3.32%	1.07
47	1.974	2.013	2.051	1.92%	0.499	87	0.484	0.5	0.517	3.35%	1.09
48	1.899	1.936	1.974	1.96%	0.513	88	0.469	0.485	0.501	3.38%	1.11
49	1.826	1.863	1.9	2.00%	0.526	89	0.455	0.47	0.486	3.42%	1.12
50	1.757	1.793	1.83	2.04%	0.539	90	0.441	0.456	0.472	3.45%	1.14
51	1.691	1.726	1.762	2.08%	0.553	91	0.427	0.442	0.458	3.48%	1.16
52	1.628	1.662	1.697	2.12%	0.566	92	0.414	0.429	0.444	3.51%	1.17
53	1.567	1.601	1.635	2.16%	0.58	93	0.402	0.416	0.431	3.54%	1.19
54	1.509	1.542	1.576	2.20%	0.594	94	0.39	0.404	0.418	3.57%	1.21
55	1.453	1.486	1.519	2.23%	0.608	95	0.378	0.392	0.406	3.60%	1.22
56	1.4	1.432	1.464	2.27%	0.622	96	0.367	0.38	0.394	3.64%	1.24
57	1.349	1.38	1.412	2.31%	0.635	97	0.356	0.369	0.383	3.67%	1.26
58	1.3	1.331	1.362	2.35%	0.65	98	0.346	0.359	0.372	3.70%	1.27
59	1.253	1.283	1.314	2.38%	0.664	99	0.336	0.348	0.361	3.73%	1.29
60	1.208	1.238	1.267	2.42%	0.678	100	0.326	0.3381	0.351	3.76%	1.31
61	1.165	1.194	1.223	2.46%	0.692	101	0.316	0.328	0.341	3.79%	1.33
62	1.124	1.152	1.181	2.49%	0.706	102	0.307	0.319	0.331	3.82%	1.34
63	1.084	1.112	1.14	2.53%	0.721	103	0.298	0.31	0.322	3.85%	1.36
64	1.046	1.073	1.1	2.57%	0.735	104	0.29	0.301	0.313	3.88%	1.38
65	1.009	1.036	1.063	2.60%	0.75	105	0.282	0.293	0.304	3.91%	1.4
66	0.974	1	1.027	2.64%	0.765	106	0.274	0.285	0.296	3.94%	1.41
67	0.941	0.966	0.992	2.67%	0.779	107	0.266	0.277	0.288	3.97%	1.43
68	0.908	0.933	0.958	2.71%	0.794	108	0.259	0.269	0.28	4.00%	1.45
69	0.877	0.902	0.926	2.75%	0.809	109	0.251	0.262	0.272	4.02%	1.47
70	0.848	0.871	0.895	2.78%	0.824	110	0.244	0.254	0.265	4.05%	1.49
71	0.819	0.842	0.866	2.82%	0.839	111	0.238	0.247	0.258	4.08%	1.5
72	0.791	0.814	0.837	2.85%	0.854	112	0.231	0.241	0.251	4.11%	1.52
73	0.765	0.787	0.81	2.88%	0.87	113	0.225	0.234	0.244	4.14%	1.54
74	0.74	0.761	0.783	2.92%	0.885	114	0.219	0.228	0.237	4.17%	1.56
75	0.715	0.736	0.758	2.95%	0.9	115	0.213	0.222	0.231	4.20%	1.58
76	0.692	0.712	0.734	2.99%	0.916	116	0.207	0.216	0.225	4.22%	1.6
77	0.669	0.689	0.71	3.02%	0.931	117	0.201	0.21	0.219	4.25%	1.62
78	0.647	0.667	0.687	3.06%	0.947	118	0.196	0.204	0.213	4.28%	1.63
79	0.626	0.646	0.665	3.09%	0.962	119	0.191	0.199	0.208	4.31%	1.65
80	0.606	0.625	0.644	3.12%	0.978	120	0.186	0.194	0.202	4.34%	1.67

## 温度传感器 KMT100 NTC-1

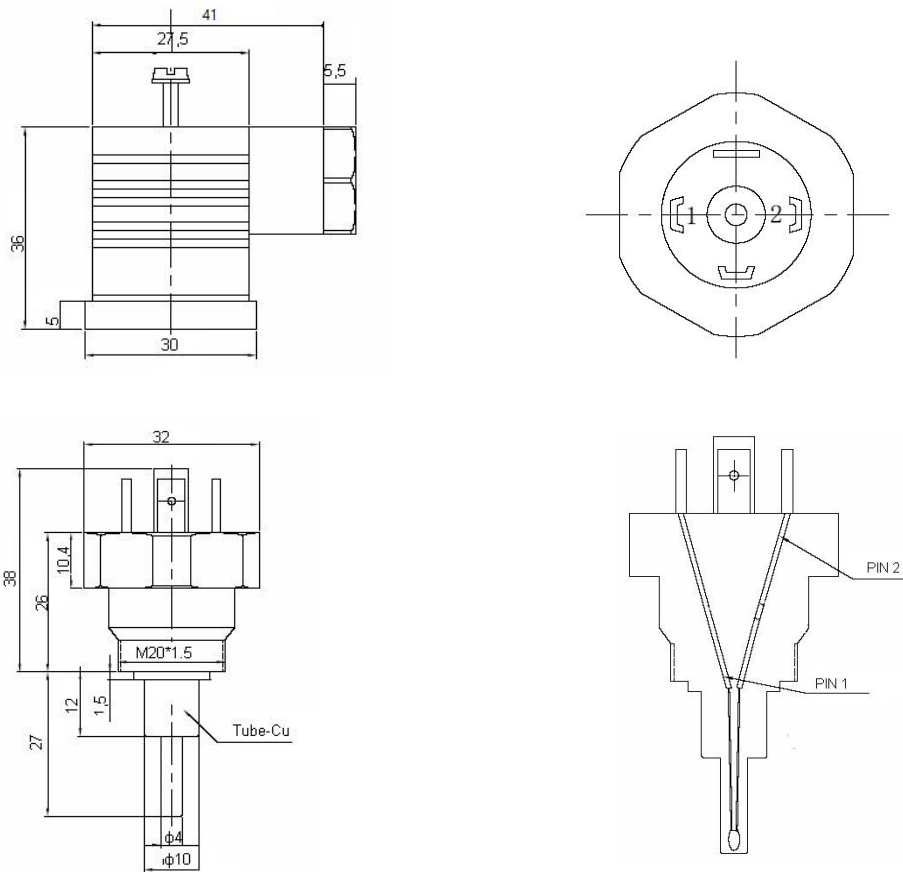


- 工业级NTC传感器
- 阻值范围为75.802 K  $\Omega$  to 115  $\Omega$  (-40°C to 110°C)
- M20标准接口
- IP65防护等级
- 27mm 铜探头
- 响应时间短
- 温度精度高

### 技术参数

温度传感器类型	NTC
温度范围	75.802 K $\Omega$ to 115 $\Omega$ (-40°C to 110°C)
温度精度	$\pm 0.1\%$
B值	R25°C=2.252K $\Omega$ $\pm 0.5\%$ B25/50°C=3935K $\pm 0.5\%$
热耗散系数	Min 2.0mW/°C (in air)
温度响应时间	$\leq 3s$
电气连接	PG 9
导体尺寸	Max. 1.5 mm <sup>2</sup>
产品标准	DIN EN 175 301-803-A
颜色	黑色
结构类型	A
探头尺寸	6.3 mm x 0.8 mm, 4.8 mm x 0.8 mm
额定电压	AC/DC 250 V
额定电流	16 A
接触电阻	$\leq 4$ mOhm
适用电缆	4.5 mm to 7 mm 直径
连接螺纹	M20 螺纹
接触面材料	Sn
接触支架材料	PA
外壳材料	PA

尺寸图



Pin 1 and pin 2 are the temperature signal output terminals.

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### R-T Table

R-T (R25°C=2252Ω±0.5%B25/50°C=3935K±0.5%)

Temp. (deg. C)	R (kOhms)	Temp. (deg. C)	R (kOhms)	Temp. (deg. C)	R (kOhms)	Temp. (deg. C)	R (kOhms)
-40	75.8023	-2	8.152	36	1.412	74	0.345
-39	70.938	-1	7.742	37	1.355	75	0.333
-38	66.434	0	7.355	38	1.301	76	0.322
-37	62.2453	1	6.99	39	1.249	77	0.312
-36	58.3268	2	6.643	40	1.199	78	0.302
-35	54.6786	3	6.319	41	1.153	79	0.292
-34	51.3006	4	6.008	42	1.108	80	0.283
-33	48.1478	5	5.72	43	1.064	81	0.274
-32	45.1751	6	5.445	44	1.023	82	0.265
-31	42.4277	7	5.184	45	0.984	83	0.257
-30	39.86	8	4.936	46	0.946	84	0.249
-29	37.473	9	4.702	47	0.91	85	0.241
-28	35.266	10	4.481	48	0.876	86	0.234
-27	33.149	11	4.272	49	0.843	87	0.227
-26	31.19	12	4.119	50	0.811	88	0.22
-25	29.366	13	3.887	51	0.781	89	0.213
-24	27.677	14	3.707	52	0.752	90	0.206
-23	26.078	15	3.538	53	0.724	91	0.2
-22	24.569	16	3.378	54	0.698	92	0.194
-21	23.173	17	3.225	55	0.672	93	0.188
-20	21.871	18	3.081	56	0.648	94	0.183
-19	20.642	19	2.943	57	0.625	95	0.177
-18	19.489	20	2.813	58	0.602	96	0.172
-17	18.403	21	2.689	59	0.581	97	0.167
-16	17.39	22	2.572	60	0.56	98	0.162
-15	16.435	23	2.459	61	0.54	99	0.157
-14	15.539	24	2.353	62	0.522	100	0.153
-13	14.697	25	2.252	63	0.503	101	0.148
-12	13.908	26	2.156	64	0.486	102	0.144
-11	13.165	27	2.064	65	0.469	103	0.14
-10	12.463	28	1.977	66	0.453	104	0.136
-9	11.805	29	1.91	67	0.437	105	0.132
-8	11.183	30	1.815	68	0.422	106	0.129
-7	10.602	31	1.739	69	0.408	107	0.125
-6	10.053	32	1.667	70	0.394	108	0.122
-5	9.535	33	1.598	71	0.381	109	0.118
-4	9.044	34	1.533	72	0.369	110	0.115
-3	8.585	35	1.471	73	0.356		



## 温度传感器 KMT100 PT100

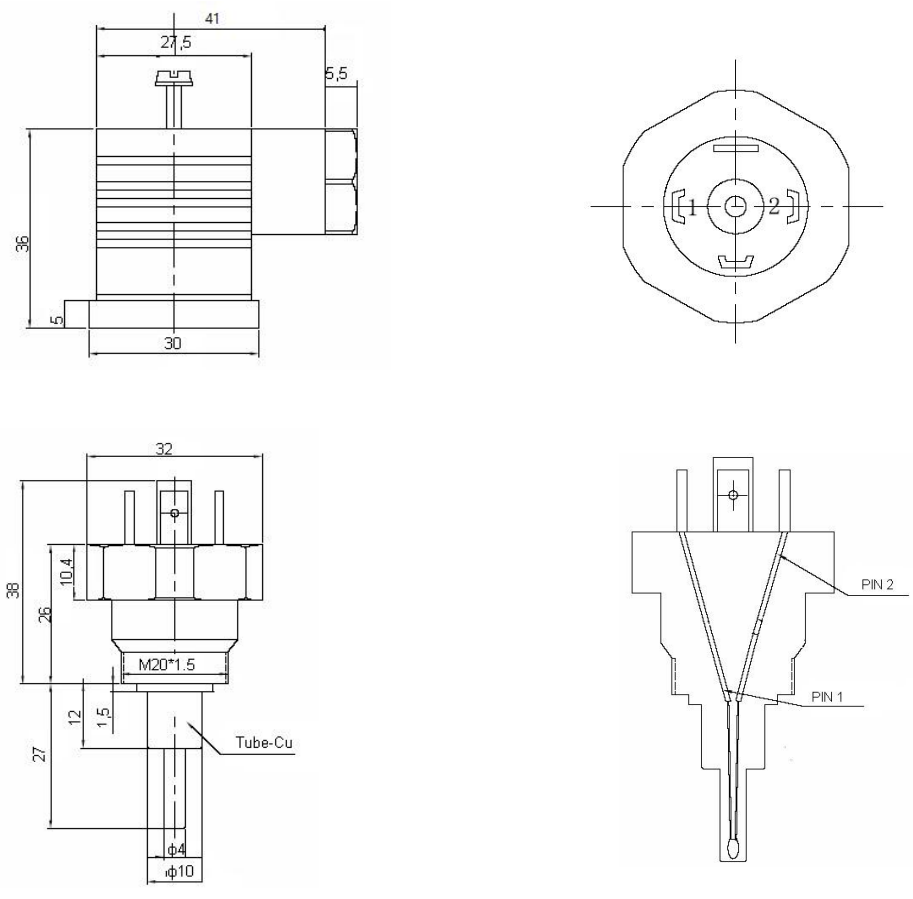


- 工业级PT100传感器
- 范围为84.27Ω to 175.86Ω(-40℃ to 125℃)
- M20标准接口
- IP65防护等级
- 27mm 铜探头
- 响应时间短
- 温度精度高

### 技术参数

温度传感器类型	PT100
温度范围	84.27Ω to 175.86Ω(-40℃ to 125℃)
温度精度	≤ ± 0.5% Span
热耗散系数	Min 2.0mW/℃ (in air)
温度响应时间	≤3s
电气连接	PG 9
导体尺寸	Max. 1.5 mm <sup>2</sup>
标准	DIN EN 175 301-803-A
颜色	Black
结构类型	A
探头尺寸	6.3 mm x 0.8 mm, 4.8 mm x 0.8 mm
额定电压	AC/DC 250 V
额定电流	16 A
接触电阻	≤ 4 mOhm
适用电缆	4.5 mm to 7 mm diameter
连接螺纹	M20 螺纹
接触面材料	Sn
接触支架材料	PA
外壳材料	PA
防护等级	IP65

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Pin 1 and pin 2 are the temperature signal output terminals.

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**R-T Table**

T(°C)	R(Ω)	T(°C)	R(Ω)	T(°C)	R(Ω)	T(°C)	R(Ω)
-50	80.310	-9	96.480	32	112.450	73	128.220
-49	80.700	-8	96.870	33	112.830	74	128.610
-48	81.100	-7	97.260	34	113.220	75	128.990
-47	81.500	-6	97.650	35	113.610	76	129.370
-46	81.890	-5	98.040	36	114.000	77	129.750
-45	82.290	-4	98.440	37	114.380	78	130.130
-44	82.690	-3	98.830	38	114.770	79	130.520
-43	83.080	-2	99.220	39	115.150	80	130.900
-42	83.480	-1	99.610	40	115.540	81	131.280
-41	83.870	0	100.000	41	115.930	82	131.660
-40	84.270	1	100.390	42	116.310	83	132.040
-39	84.670	2	100.780	43	116.700	84	132.420
-38	85.060	3	101.170	44	117.080	85	132.800
-37	85.460	4	101.560	45	117.470	86	133.180
-36	85.850	5	101.950	46	117.860	87	133.570
-35	86.250	6	102.340	47	118.240	88	133.950
-34	86.640	7	102.730	48	118.630	89	134.330
-33	87.040	8	103.120	49	119.010	90	134.710
-32	87.430	9	103.510	50	119.400	91	135.090
-31	87.830	10	103.900	51	119.780	92	135.470
-30	88.220	11	104.290	52	120.170	93	135.850
-29	88.620	12	104.680	53	120.550	94	136.230
-28	89.010	13	105.070	54	120.940	95	136.610
-27	89.400	14	105.460	55	121.320	96	136.990
-26	89.800	15	105.850	56	121.710	97	137.370
-25	90.190	16	106.240	57	122.090	98	137.750
-24	90.590	17	106.630	58	122.470	99	138.130
-23	90.980	18	107.020	59	122.860	100	138.510
-22	91.370	19	107.400	60	123.240	101	138.880
-21	91.770	20	107.790	61	123.630	102	139.260
-20	92.160	21	108.180	62	124.010	103	139.640
-19	92.550	22	108.570	63	124.390	104	140.020
-18	92.950	23	108.960	64	124.780	105	140.400
-17	93.340	24	109.350	65	125.160	106	140.780
-16	93.730	25	109.730	66	125.540	107	141.160
-15	94.120	26	110.120	67	125.930	108	141.540
-14	94.520	27	110.510	68	126.310	109	141.910
-13	94.910	28	110.900	69	126.690	110	142.290
-12	95.300	29	111.290	70	127.080	111	142.670
-11	95.690	30	111.670	71	127.460	112	413.050
-10	96.090	31	112.060	72	127.840	113	143.430

T(°C)	R(Ω)	T(°C)	R(Ω)	T(°C)	R(Ω)	T(°C)	R(Ω)
114	143.800	155	159.190	196	174.380		
115	144.180	156	159.560	197	174.750		
116	144.560	157	159.940	198	175.120		
117	144.940	158	160.310	199	175.490		
118	145.310	159	160.680	200	175.860		
119	145.690	160	161.050				
120	146.070	161	161.430				
121	146.440	162	161.800				
122	146.820	163	162.170				
123	147.200	164	162.540				
124	147.570	165	162.910				
125	147.950	166	163.290				
126	148.330	167	163.660				
127	148.700	168	164.030				
128	149.080	169	164.400				
129	149.460	170	164.770				
130	149.830	171	165.140				
131	150.210	172	165.510				
132	150.580	173	165.890				
133	150.960	174	166.260				
134	151.330	175	166.630				
135	151.710	176	167.000				
136	152.080	177	167.370				
137	152.460	178	167.740				
138	152.830	179	168.110				
139	153.210	180	168.480				
140	153.580	181	168.850				
141	153.960	182	169.220				
142	154.330	183	169.590				
143	154.710	184	169.960				
144	155.080	185	170.330				
145	155.460	186	170.700				
146	155.830	187	171.070				
147	156.200	188	171.430				
148	156.580	189	171.800				
149	156.950	190	172.170				
150	157.330	191	172.540				
151	157.700	192	172.910				
152	158.070	193	173.280				
153	158.450	194	173.650				
154	158.820	195	174.020				

## 温度传感器 KMT100 PT1000

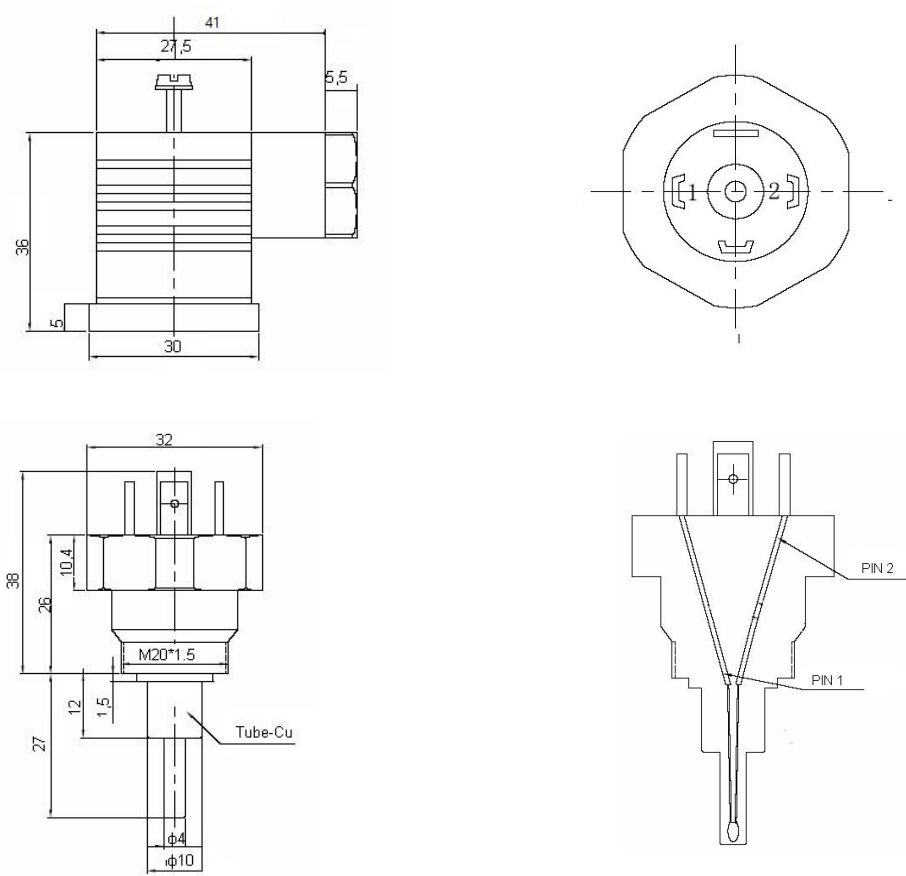


- 工业级PT1000传感器
- 阻值范围为842.77Ω to 1758.6Ω(-40℃ to 125℃)
- M20标准接口
- IP65防护等级
- 27mm 铜探头
- 响应时间短
- 温度精度高

### 技术参数

温度传感器类型	PT1000
温度范围	842.7Ω to 1758.6Ω(-40℃ to 125℃)
温度精度	≤ ± 0.5% Span
热耗散系数	Min 2.0mW/℃ (in air)
温度响应时间	≤3s
电气连接	PG 9
导体尺寸	Max. 1.5 mm <sup>2</sup>
产品标准	DIN EN 175 301-803-A
颜色	黑色
结构类型	A
探头尺寸	6.3 mm x 0.8 mm, 4.8 mm x 0.8 mm
额定电压	AC/DC 250 V
额定电流	16 A
接触电阻	≤ 4 mOhm
适用电缆	4.5 mm to 7 mm 直径
连接螺纹	M20 螺纹
接触面材料	Sn
接触支架材料	PA
外壳材料	PA
防护等级	IP65

尺寸图



Pin 1 and pin 2 are the temperature signal output terminals.

产品认证



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T	0	1	2	3	4	5	6	7	8	9
°C	Resistance(Ω)									
-40	842.7	838.7	834.8	830.8	826.9	822.9	818.9	815	811	807
-30	882.2	878.3	874.3	870.4	866.4	862.5	858.5	854.6	850.6	846.7
-20	921.6	917.7	913.7	909.8	905.9	901.9	898	894	890.1	886.2
-10	960.9	956.9	953	949.1	945.2	941.2	937.3	933.4	929.5	925.5
0	1000	996.1	992.2	988.3	984.4	980.4	976.5	972.6	968.7	964.8
0	1000	1003.9	1007.8	1011.7	1015.6	1019.5	1023.4	1027.3	1031.2	1035.1
10	1039	1042.9	1046.8	1050.7	1054.6	1058.5	1062.4	1066.3	1070.2	1074
20	1077.9	1081.8	1085.7	1089.6	1093.5	1097.3	1101.2	1105.1	1109	1112.9
30	1116.7	1120.6	1124.5	1128.3	1132.2	1136.1	1140	1143.8	1147.7	1151.5
40	1155.4	1159.3	1163.1	1167	1170.8	1174.7	1178.6	1182.4	1186.3	1190.1
50	1194	1197.8	1201.7	1205.5	1209.4	1213.2	1217.1	1220.9	1224.7	1228.6
60	1232.4	1236.3	1240.1	1243.9	1247.8	1251.6	1255.4	1259.3	1263.1	1266.9
70	1270.8	1274.6	1278.4	1282.2	1286.1	1289.9	1293.7	1297.5	1301.3	1305.2
80	1309	1312.8	1316.6	1320.4	1324.2	1328	1331.8	1335.7	1339.5	1343.3
90	1347.1	1350.9	1354.7	1358.5	1362.3	1366.1	1369.9	1373.7	1377.5	1381.3
100	1385.1	1388.8	1392.6	1396.4	1400.2	1404	1407.8	1411.6	1415.4	1419.1
110	1422.9	1426.7	1430.5	1434.3	1438	1441.8	1445.6	1449.4	1453.1	1456.9
120	1460.7	1464.4	1468.2	1472	1475.7	1479.5	1483.3	1487	1490.8	1494.6
130	1498.3	1502.1	1509.6	1509.6	1513.3	1517.1	1520.8	1524.6	1525.3	1532.1
140	1535.8	1539.6	1547.1	1547.1	1550.8	1554.6	1558.3	1562	1565.8	1569.5
150	1573.3	1577	1584.5	1584.5	1588.2	1591.9	1595.6	1599.4	1603.1	1603.8
160	1610.5	1614.3	1621.7	1621.7	1625.4	1629.1	1632.9	1636.6	1640.3	1644
170	1647.7	1651.4	1658.9	1658.9	1662.6	1666.3	1670	1673.7	1677.4	1681.1
180	1684.8	1688.5	1695.9	1695.9	1699.6	1703.3	1707	1710.7	1714.3	1718
190	1721.7	1725.4	1732.8	1732.8	1736.5	1740.2	1743.8	1747.5	1751.2	1754.9
200	1758.6	1762.2	1765.9	1769.6	1773.3	1776.9	1780.6	1784.3	1787.9	1791.6

# 温度传感器

## KMT110 NTC



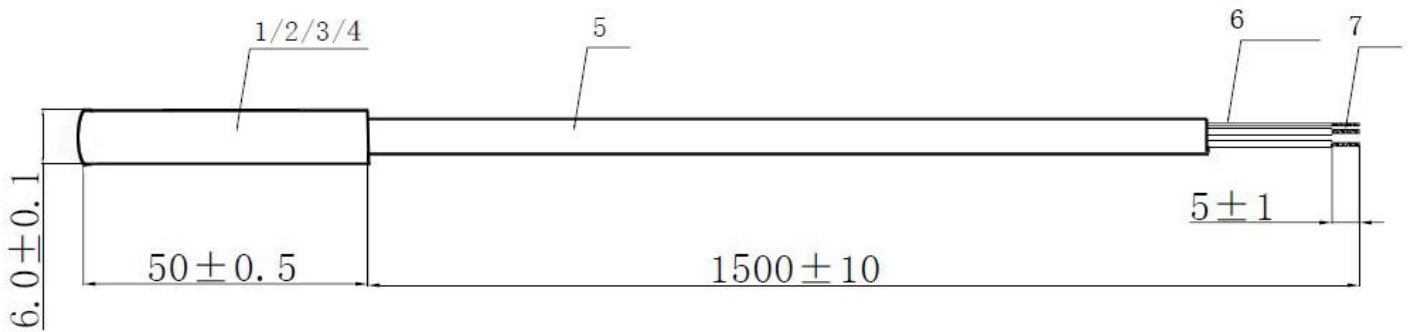
- 工业级NTC传感器
- 阻值范围为168.8 K $\Omega$  to 606  $\Omega$  (-40 $^{\circ}$ C to 80 $^{\circ}$ C)
- IP65防护等级
- 响应时间短
- 温度精度高

### 技术参数

温度传感器类型	NTC
精度等级	Class A
B值	R25 $^{\circ}$ C=5K $\Omega$ $\pm$ 0.8% B25/85 $^{\circ}$ C=3970K $\pm$ 0.5%
连接	2线连接
传感器长度	50 mm
直径	6 mm
传感器材料	6*50 不锈钢外壳
电气连接	电缆长度1500 mm, UL2464 22 TS线 (带屏蔽层)
温度范围	-40 $^{\circ}$ C to 80 $^{\circ}$ C
温度精度	$\leq$ $\pm$ 0.3%(-40 $^{\circ}$ C to 80 $^{\circ}$ C)
热时间常数	Max 11sec (In water 25 $^{\circ}$ C-50 $^{\circ}$ C)
热耗散系数	Min 2.5mW/ $^{\circ}$ C (in air)
温度响应时间	$\leq$ 3s
产品标准	DIN EN 175 301-803-A
防护等级 (IEC 60529)	IP65
阻燃等级	94 HB



尺寸图



序号	名称	材料	备注
1	热敏电阻		R25°C=5KΩ±0.8% B25/85°C=3970K±0.5%
2	环氧树脂		黑
3	环氧树脂		黑
4	保护壳	6*50 不锈钢外壳	
5	电缆	UL2464 22号 TS线 (安全带屏蔽层)	黑
6	屏蔽层		
7	镀锡		

产品认证



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**R-T Table**

R-T (R25°C=5KΩ±0.8% B25/85°C=3790K±0.5%)											
T(°C)	Rmin(KΩ)	Rcent(KΩ)	Rmax(KΩ)	DR(%)	DT(°C)	T(°C)	Rmin(KΩ)	Rcent(KΩ)	Rmax(KΩ)	DR(%)	DT(°C)
-40	168.8	176.671	184.9	4.67%	0.67	1	15.31	15.639	15.98	2.16%	0.42
-39	157.8	165.039	172.6	4.59%	0.66	2	14.55	14.861	15.17	2.11%	0.41
-38	147.6	154.252	161.2	4.52%	0.66	3	13.84	14.126	14.42	2.05%	0.4
-37	138.1	144.244	150.7	4.45%	0.65	4	13.17	13.432	13.7	2.00%	0.4
-36	129.3	134.954	140.9	4.38%	0.65	5	12.53	12.776	13.03	1.95%	0.39
-35	121.1	126.325	131.8	4.31%	0.64	6	11.93	12.156	12.39	1.90%	0.38
-34	113.5	118.307	123.3	4.25%	0.64	7	11.36	11.57	11.78	1.85%	0.37
-33	106.4	110.851	115.5	4.18%	0.63	8	10.82	11.016	11.21	1.80%	0.37
-32	99.8	103.915	108.2	4.11%	0.62	9	10.31	10.491	10.67	1.75%	0.36
-31	93.7	97.46	101.4	4.04%	0.62	10	9.83	9.994	10.16	1.70%	0.35
-30	87.94	91.449	95.09	3.98%	0.61	11	9.37	9.524	9.68	1.65%	0.34
-29	82.61	85.849	89.21	3.91%	0.61	12	8.93	9.079	9.22	1.60%	0.33
-28	77.63	80.629	83.73	3.85%	0.6	13	8.52	8.657	8.79	1.56%	0.33
-27	72.99	75.761	78.63	3.78%	0.6	14	8.13	8.257	8.38	1.51%	0.32
-26	68.66	71.219	73.87	3.72%	0.59	15	7.76	7.878	7.99	1.46%	0.31
-25	64.61	66.979	69.43	3.66%	0.59	16	7.41	7.518	7.62	1.41%	0.3
-24	60.83	63.019	65.28	3.59%	0.58	17	7.08	7.177	7.27	1.37%	0.29
-23	57.29	59.319	61.41	3.53%	0.57	18	6.76	6.853	6.94	1.32%	0.29
-22	53.98	55.861	57.8	3.47%	0.57	19	6.46	6.546	6.63	1.27%	0.28
-21	50.89	52.626	54.42	3.41%	0.56	20	6.18	6.254	6.33	1.23%	0.27
-20	47.99	49.6	51.26	3.34%	0.56	21	5.91	5.977	6.05	1.18%	0.26
-19	45.28	46.767	48.3	3.28%	0.55	22	5.65	5.714	5.78	1.13%	0.25
-18	42.73	44.114	45.54	3.22%	0.54	23	5.4	5.464	5.52	1.09%	0.24
-17	40.35	41.629	42.95	3.16%	0.54	24	5.17	5.226	5.28	1.04%	0.24
-16	38.11	39.299	40.52	3.10%	0.53	25	4.95	5	5.05	1.00%	0.23
-15	36.01	37.115	38.24	3.05%	0.53	26	4.74	4.785	4.83	1.04%	0.24
-14	34.05	35.065	36.11	2.99%	0.52	27	4.53	4.58	4.63	1.09%	0.25
-13	32.2	33.142	34.11	2.93%	0.51	28	4.34	4.386	4.44	1.13%	0.26
-12	30.46	31.337	32.24	2.87%	0.51	29	4.15	4.2	4.25	1.18%	0.27
-11	28.83	29.641	30.47	2.81%	0.5	30	3.97	4.024	4.07	1.22%	0.29
-10	27.29	28.047	28.82	2.76%	0.49	31	3.81	3.856	3.9	1.26%	0.3
-9	25.85	26.549	27.27	2.70%	0.49	32	3.65	3.695	3.74	1.31%	0.31
-8	24.49	25.14	25.81	2.64%	0.48	33	3.5	3.543	3.59	1.35%	0.32
-7	23.21	23.815	24.43	2.59%	0.47	34	3.35	3.397	3.44	1.39%	0.33
-6	22.01	22.568	23.14	2.53%	0.47	35	3.21	3.259	3.31	1.43%	0.35
-5	20.87	21.394	21.92	2.48%	0.46	36	3.08	3.126	3.17	1.48%	0.36
-4	19.81	20.288	20.78	2.42%	0.45	37	2.95	3	3.05	1.52%	0.37
-3	18.8	19.245	19.7	2.37%	0.45	38	2.84	2.88	2.92	1.56%	0.38
-2	17.85	18.263	18.69	2.32%	0.44	39	2.72	2.765	2.81	1.60%	0.4
-1	16.95	17.337	17.73	2.26%	0.43	40	2.61	2.655	2.7	1.64%	0.41
0	16.106	16.463	16.827	2.21%	0.42						

R-T (R25°C=5KΩ±0.8% B25/85°C=3790K±0.5%)											
T(°C)	Rmin(KΩ)	Rcent(KΩ)	Rmax(KΩ)	DR(%)	DT(°C)	T(°C)	Rmin(KΩ)	Rcent(KΩ)	Rmax(KΩ)	DR(%)	DT(°C)
41	2.508	2.55	2.593	1.68%	0.421	81	0.587	0.605	0.624	3.16%	0.99
42	2.408	2.45	2.492	1.72%	0.434	82	0.568	0.586	0.605	3.19%	1.01
43	2.314	2.355	2.396	1.76%	0.447	83	0.55	0.568	0.586	3.22%	1.03
44	2.223	2.263	2.304	1.80%	0.46	84	0.532	0.55	0.568	3.25%	1.04
45	2.136	2.176	2.216	1.84%	0.473	85	0.516	0.5328	0.55	3.29%	1.06
46	2.053	2.092	2.132	1.88%	0.486	86	0.5	0.516	0.533	3.32%	1.07
47	1.974	2.013	2.051	1.92%	0.499	87	0.484	0.5	0.517	3.35%	1.09
48	1.899	1.936	1.974	1.96%	0.513	88	0.469	0.485	0.501	3.38%	1.11
49	1.826	1.863	1.9	2.00%	0.526	89	0.455	0.47	0.486	3.42%	1.12
50	1.757	1.793	1.83	2.04%	0.539	90	0.441	0.456	0.472	3.45%	1.14
51	1.691	1.726	1.762	2.08%	0.553	91	0.427	0.442	0.458	3.48%	1.16
52	1.628	1.662	1.697	2.12%	0.566	92	0.414	0.429	0.444	3.51%	1.17
53	1.567	1.601	1.635	2.16%	0.58	93	0.402	0.416	0.431	3.54%	1.19
54	1.509	1.542	1.576	2.20%	0.594	94	0.39	0.404	0.418	3.57%	1.21
55	1.453	1.486	1.519	2.23%	0.608	95	0.378	0.392	0.406	3.60%	1.22
56	1.4	1.432	1.464	2.27%	0.622	96	0.367	0.38	0.394	3.64%	1.24
57	1.349	1.38	1.412	2.31%	0.635	97	0.356	0.369	0.383	3.67%	1.26
58	1.3	1.331	1.362	2.35%	0.65	98	0.346	0.359	0.372	3.70%	1.27
59	1.253	1.283	1.314	2.38%	0.664	99	0.336	0.348	0.361	3.73%	1.29
60	1.208	1.238	1.267	2.42%	0.678	100	0.326	0.3381	0.351	3.76%	1.31
61	1.165	1.194	1.223	2.46%	0.692	101	0.316	0.328	0.341	3.79%	1.33
62	1.124	1.152	1.181	2.49%	0.706	102	0.307	0.319	0.331	3.82%	1.34
63	1.084	1.112	1.14	2.53%	0.721	103	0.298	0.31	0.322	3.85%	1.36
64	1.046	1.073	1.1	2.57%	0.735	104	0.29	0.301	0.313	3.88%	1.38
65	1.009	1.036	1.063	2.60%	0.75	105	0.282	0.293	0.304	3.91%	1.4
66	0.974	1	1.027	2.64%	0.765	106	0.274	0.285	0.296	3.94%	1.41
67	0.941	0.966	0.992	2.67%	0.779	107	0.266	0.277	0.288	3.97%	1.43
68	0.908	0.933	0.958	2.71%	0.794	108	0.259	0.269	0.28	4.00%	1.45
69	0.877	0.902	0.926	2.75%	0.809	109	0.251	0.262	0.272	4.02%	1.47
70	0.848	0.871	0.895	2.78%	0.824	110	0.244	0.254	0.265	4.05%	1.49
71	0.819	0.842	0.866	2.82%	0.839	111	0.238	0.247	0.258	4.08%	1.5
72	0.791	0.814	0.837	2.85%	0.854	112	0.231	0.241	0.251	4.11%	1.52
73	0.765	0.787	0.81	2.88%	0.87	113	0.225	0.234	0.244	4.14%	1.54
74	0.74	0.761	0.783	2.92%	0.885	114	0.219	0.228	0.237	4.17%	1.56
75	0.715	0.736	0.758	2.95%	0.9	115	0.213	0.222	0.231	4.20%	1.58
76	0.692	0.712	0.734	2.99%	0.916	116	0.207	0.216	0.225	4.22%	1.6
77	0.669	0.689	0.71	3.02%	0.931	117	0.201	0.21	0.219	4.25%	1.62
78	0.647	0.667	0.687	3.06%	0.947	118	0.196	0.204	0.213	4.28%	1.63
79	0.626	0.646	0.665	3.09%	0.962	119	0.191	0.199	0.208	4.31%	1.65
80	0.606	0.625	0.644	3.12%	0.978	120	0.186	0.194	0.202	4.34%	1.67

# 温度传感器

## KMT120 NTC

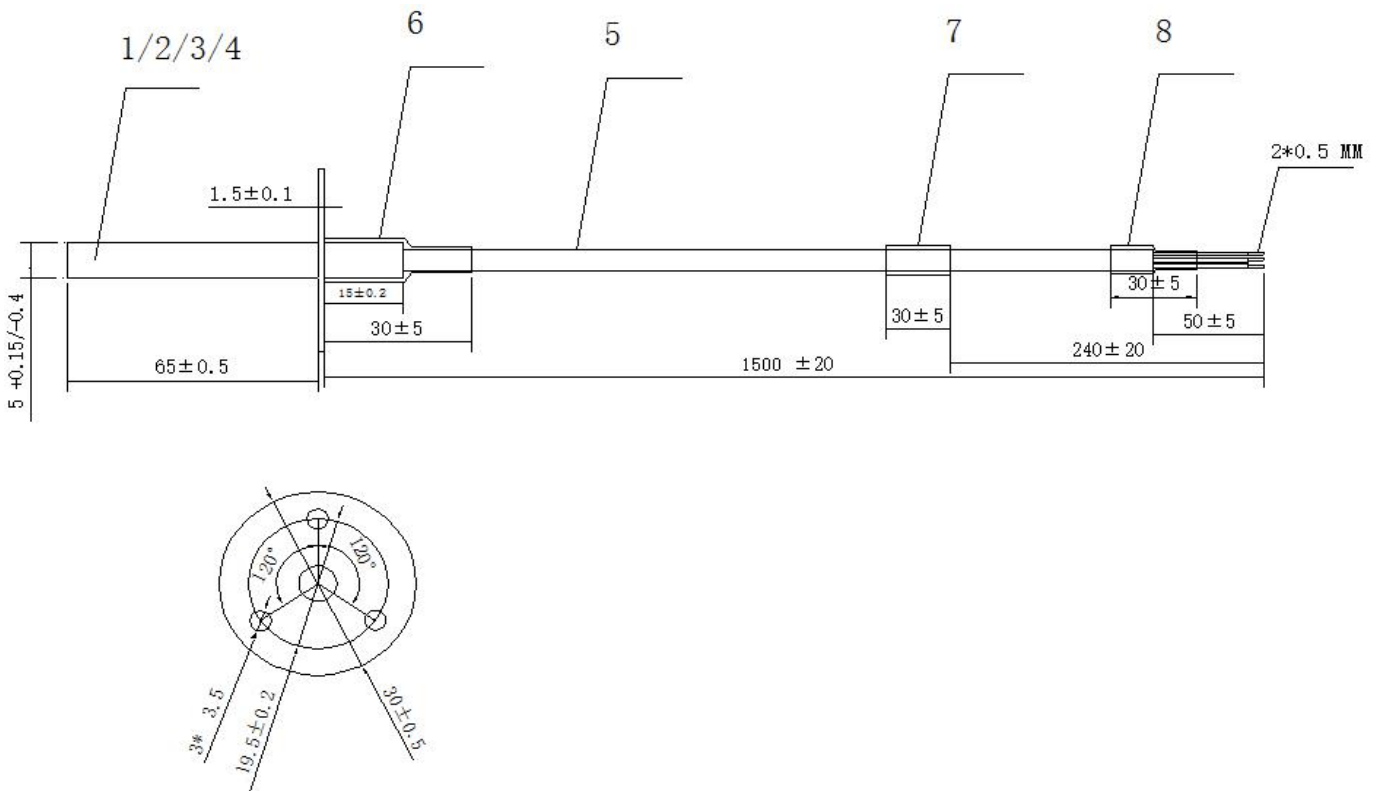


- 工业级NTC传感器
- 阻值范围168.8 KΩ to 338 Ω (-40°C to 100°C)
- IP65防护等级
- 响应时间短
- 温度精度高

### 技术参数

温度传感器类型	NTC
精度等级	Class B
B值	R25°C=5KΩ±0.8% B25/85°C=3970K±0.5%
连接	2线连接
传感器探头长度	65 mm
直径	5 mm
传感器材料	5*65 不锈钢外壳
电气连接	电缆长度1500 mm, UL2464 22 TS线 (带屏蔽层)
温度范围	-40°C to 100°C
温度精度	≤±0.3%(-40°C to 100°C)
热时间常数	Max 11sec (In water 25°C-50°C)
热耗散系数	Min 2.5mW/°C (in air)
温度响应时间	≤3s
产品标准	DIN EN 175 301-803-A
额定电压	AC/DC 250 V
防护等级 (IEC 60529)	IP65
阻燃等级	94 HB

## 尺寸图



序号	名称	材料	备注
1	热敏电阻		NTC
2	环氧树脂		黑
3	环氧树脂		黑
4	保护壳	5*65 不锈钢外壳	
5	电缆	2*0.5 mm, 带屏蔽层, 低烟无卤	黑
6	热收缩套管	6.4双壁热缩套管	黑
7	热收缩套管	4.0黄色热缩套管	黄
8	热收缩套管	4.0黑色热缩套管	黑

## 产品认证



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**R-T Table**

R-T (R25°C=5KΩ±0.8% B25/85°C=3790K±0.5%)											
T(°C)	Rmin(KΩ)	Rcent(KΩ)	Rmax(KΩ)	DR(%)	DT(°C)	T(°C)	Rmin(KΩ)	Rcent(KΩ)	Rmax(KΩ)	DR(%)	DT(°C)
-40	168.8	176.671	184.9	4.67%	0.67	1	15.31	15.639	15.98	2.16%	0.42
-39	157.8	165.039	172.6	4.59%	0.66	2	14.55	14.861	15.17	2.11%	0.41
-38	147.6	154.252	161.2	4.52%	0.66	3	13.84	14.126	14.42	2.05%	0.4
-37	138.1	144.244	150.7	4.45%	0.65	4	13.17	13.432	13.7	2.00%	0.4
-36	129.3	134.954	140.9	4.38%	0.65	5	12.53	12.776	13.03	1.95%	0.39
-35	121.1	126.325	131.8	4.31%	0.64	6	11.93	12.156	12.39	1.90%	0.38
-34	113.5	118.307	123.3	4.25%	0.64	7	11.36	11.57	11.78	1.85%	0.37
-33	106.4	110.851	115.5	4.18%	0.63	8	10.82	11.016	11.21	1.80%	0.37
-32	99.8	103.915	108.2	4.11%	0.62	9	10.31	10.491	10.67	1.75%	0.36
-31	93.7	97.46	101.4	4.04%	0.62	10	9.83	9.994	10.16	1.70%	0.35
-30	87.94	91.449	95.09	3.98%	0.61	11	9.37	9.524	9.68	1.65%	0.34
-29	82.61	85.849	89.21	3.91%	0.61	12	8.93	9.079	9.22	1.60%	0.33
-28	77.63	80.629	83.73	3.85%	0.6	13	8.52	8.657	8.79	1.56%	0.33
-27	72.99	75.761	78.63	3.78%	0.6	14	8.13	8.257	8.38	1.51%	0.32
-26	68.66	71.219	73.87	3.72%	0.59	15	7.76	7.878	7.99	1.46%	0.31
-25	64.61	66.979	69.43	3.66%	0.59	16	7.41	7.518	7.62	1.41%	0.3
-24	60.83	63.019	65.28	3.59%	0.58	17	7.08	7.177	7.27	1.37%	0.29
-23	57.29	59.319	61.41	3.53%	0.57	18	6.76	6.853	6.94	1.32%	0.29
-22	53.98	55.861	57.8	3.47%	0.57	19	6.46	6.546	6.63	1.27%	0.28
-21	50.89	52.626	54.42	3.41%	0.56	20	6.18	6.254	6.33	1.23%	0.27
-20	47.99	49.6	51.26	3.34%	0.56	21	5.91	5.977	6.05	1.18%	0.26
-19	45.28	46.767	48.3	3.28%	0.55	22	5.65	5.714	5.78	1.13%	0.25
-18	42.73	44.114	45.54	3.22%	0.54	23	5.4	5.464	5.52	1.09%	0.24
-17	40.35	41.629	42.95	3.16%	0.54	24	5.17	5.226	5.28	1.04%	0.24
-16	38.11	39.299	40.52	3.10%	0.53	25	4.95	5	5.05	1.00%	0.23
-15	36.01	37.115	38.24	3.05%	0.53	26	4.74	4.785	4.83	1.04%	0.24
-14	34.05	35.065	36.11	2.99%	0.52	27	4.53	4.58	4.63	1.09%	0.25
-13	32.2	33.142	34.11	2.93%	0.51	28	4.34	4.386	4.44	1.13%	0.26
-12	30.46	31.337	32.24	2.87%	0.51	29	4.15	4.2	4.25	1.18%	0.27
-11	28.83	29.641	30.47	2.81%	0.5	30	3.97	4.024	4.07	1.22%	0.29
-10	27.29	28.047	28.82	2.76%	0.49	31	3.81	3.856	3.9	1.26%	0.3
-9	25.85	26.549	27.27	2.70%	0.49	32	3.65	3.695	3.74	1.31%	0.31
-8	24.49	25.14	25.81	2.64%	0.48	33	3.5	3.543	3.59	1.35%	0.32
-7	23.21	23.815	24.43	2.59%	0.47	34	3.35	3.397	3.44	1.39%	0.33
-6	22.01	22.568	23.14	2.53%	0.47	35	3.21	3.259	3.31	1.43%	0.35
-5	20.87	21.394	21.92	2.48%	0.46	36	3.08	3.126	3.17	1.48%	0.36
-4	19.81	20.288	20.78	2.42%	0.45	37	2.95	3	3.05	1.52%	0.37
-3	18.8	19.245	19.7	2.37%	0.45	38	2.84	2.88	2.92	1.56%	0.38
-2	17.85	18.263	18.69	2.32%	0.44	39	2.72	2.765	2.81	1.60%	0.4
-1	16.95	17.337	17.73	2.26%	0.43	40	2.61	2.655	2.7	1.64%	0.41
0	16.106	16.463	16.827	2.21%	0.42						

R-T (R25℃=5KΩ±0.8% B25/85℃=3790K±0.5%)											
T(℃)	Rmin(KΩ)	Rcent(KΩ)	Rmax(KΩ)	DR(%)	DT(℃)	T(℃)	Rmin(KΩ)	Rcent(KΩ)	Rmax(KΩ)	DR(%)	DT(℃)
41	2.508	2.55	2.593	1.68%	0.421	81	0.587	0.605	0.624	3.16%	0.99
42	2.408	2.45	2.492	1.72%	0.434	82	0.568	0.586	0.605	3.19%	1.01
43	2.314	2.355	2.396	1.76%	0.447	83	0.55	0.568	0.586	3.22%	1.03
44	2.223	2.263	2.304	1.80%	0.46	84	0.532	0.55	0.568	3.25%	1.04
45	2.136	2.176	2.216	1.84%	0.473	85	0.516	0.5328	0.55	3.29%	1.06
46	2.053	2.092	2.132	1.88%	0.486	86	0.5	0.516	0.533	3.32%	1.07
47	1.974	2.013	2.051	1.92%	0.499	87	0.484	0.5	0.517	3.35%	1.09
48	1.899	1.936	1.974	1.96%	0.513	88	0.469	0.485	0.501	3.38%	1.11
49	1.826	1.863	1.9	2.00%	0.526	89	0.455	0.47	0.486	3.42%	1.12
50	1.757	1.793	1.83	2.04%	0.539	90	0.441	0.456	0.472	3.45%	1.14
51	1.691	1.726	1.762	2.08%	0.553	91	0.427	0.442	0.458	3.48%	1.16
52	1.628	1.662	1.697	2.12%	0.566	92	0.414	0.429	0.444	3.51%	1.17
53	1.567	1.601	1.635	2.16%	0.58	93	0.402	0.416	0.431	3.54%	1.19
54	1.509	1.542	1.576	2.20%	0.594	94	0.39	0.404	0.418	3.57%	1.21
55	1.453	1.486	1.519	2.23%	0.608	95	0.378	0.392	0.406	3.60%	1.22
56	1.4	1.432	1.464	2.27%	0.622	96	0.367	0.38	0.394	3.64%	1.24
57	1.349	1.38	1.412	2.31%	0.635	97	0.356	0.369	0.383	3.67%	1.26
58	1.3	1.331	1.362	2.35%	0.65	98	0.346	0.359	0.372	3.70%	1.27
59	1.253	1.283	1.314	2.38%	0.664	99	0.336	0.348	0.361	3.73%	1.29
60	1.208	1.238	1.267	2.42%	0.678	100	0.326	0.3381	0.351	3.76%	1.31
61	1.165	1.194	1.223	2.46%	0.692	101	0.316	0.328	0.341	3.79%	1.33
62	1.124	1.152	1.181	2.49%	0.706	102	0.307	0.319	0.331	3.82%	1.34
63	1.084	1.112	1.14	2.53%	0.721	103	0.298	0.31	0.322	3.85%	1.36
64	1.046	1.073	1.1	2.57%	0.735	104	0.29	0.301	0.313	3.88%	1.38
65	1.009	1.036	1.063	2.60%	0.75	105	0.282	0.293	0.304	3.91%	1.4
66	0.974	1	1.027	2.64%	0.765	106	0.274	0.285	0.296	3.94%	1.41
67	0.941	0.966	0.992	2.67%	0.779	107	0.266	0.277	0.288	3.97%	1.43
68	0.908	0.933	0.958	2.71%	0.794	108	0.259	0.269	0.28	4.00%	1.45
69	0.877	0.902	0.926	2.75%	0.809	109	0.251	0.262	0.272	4.02%	1.47
70	0.848	0.871	0.895	2.78%	0.824	110	0.244	0.254	0.265	4.05%	1.49
71	0.819	0.842	0.866	2.82%	0.839	111	0.238	0.247	0.258	4.08%	1.5
72	0.791	0.814	0.837	2.85%	0.854	112	0.231	0.241	0.251	4.11%	1.52
73	0.765	0.787	0.81	2.88%	0.87	113	0.225	0.234	0.244	4.14%	1.54
74	0.74	0.761	0.783	2.92%	0.885	114	0.219	0.228	0.237	4.17%	1.56
75	0.715	0.736	0.758	2.95%	0.9	115	0.213	0.222	0.231	4.20%	1.58
76	0.692	0.712	0.734	2.99%	0.916	116	0.207	0.216	0.225	4.22%	1.6
77	0.669	0.689	0.71	3.02%	0.931	117	0.201	0.21	0.219	4.25%	1.62
78	0.647	0.667	0.687	3.06%	0.947	118	0.196	0.204	0.213	4.28%	1.63
79	0.626	0.646	0.665	3.09%	0.962	119	0.191	0.199	0.208	4.31%	1.65
80	0.606	0.625	0.644	3.12%	0.978	120	0.186	0.194	0.202	4.34%	1.67

# 温度传感器

## KMT120 PT100



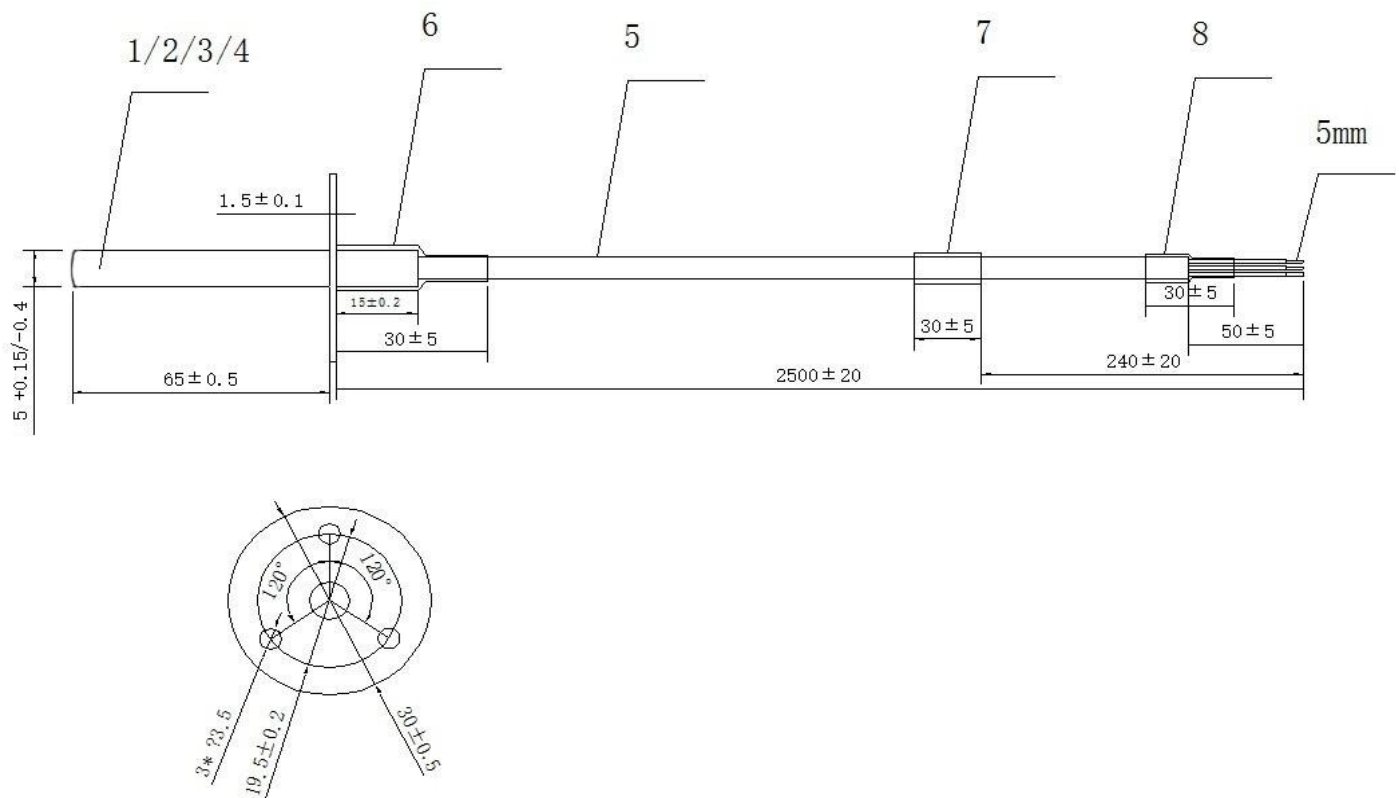
- 工业级PT100传感器
- 阻值范围为84.27K to 130.9K (-40°C to 80°C)
- IP65防护等级
- 响应时间短
- 温度精度高

### 技术参数

温度传感器类型	PT100
精度等级	Class A
连接	2 线连接
传感器长度	65 mm
直径	5 mm
传感器材料	5*80 不锈钢外壳
电气连接	电缆长度2500 mm, UL2464 26 3C TS线外径: 4.0
温度范围	-40°C to 80°C
温度精度	≤±0.3%(-40°C to 80°C)
热时间常数	Max 11sec (In water 25°C-50°C)
热耗散系数	Min 2.5mW/°C (in air)
温度响应时间	≤3s
产品标准	DIN EN 175 301-803-A
额定电压	AC/DC 250 V
防护等级 (IEC 60529)	IP65
阻燃等级	94 HB



## 尺寸图



序号	名称	材料	备注
1	热敏电阻		PT100 A
2	环氧树脂		黑
3	环氧树脂		黑
4	保护壳	5*80 不锈钢外壳	
5	电缆	UL2464 26号 3C TS线 外径: 4.0	黑
6	热收缩套管	6.4 双壁热缩套管	黑
7	热收缩套管	4.0黄色热缩套管	黄
8	热收缩套管	4.0黑色热缩套管	黑

## 产品认证



**R-T Table**

T(°C)	R(Ω)	T(°C)	R(Ω)	T(°C)	R(Ω)	T(°C)	R(Ω)
-50	80.310	-9	96.480	32	112.450	73	128.220
-49	80.700	-8	96.870	33	112.830	74	128.610
-48	81.100	-7	97.260	34	113.220	75	128.990
-47	81.500	-6	97.650	35	113.610	76	129.370
-46	81.890	-5	98.040	36	114.000	77	129.750
-45	82.290	-4	98.440	37	114.380	78	130.130
-44	82.690	-3	98.830	38	114.770	79	130.520
-43	83.080	-2	99.220	39	115.150	80	130.900
-42	83.480	-1	99.610	40	115.540	81	131.280
-41	83.870	0	100.000	41	115.930	82	131.660
-40	84.270	1	100.390	42	116.310	83	132.040
-39	84.670	2	100.780	43	116.700	84	132.420
-38	85.060	3	101.170	44	117.080	85	132.800
-37	85.460	4	101.560	45	117.470	86	133.180
-36	85.850	5	101.950	46	117.860	87	133.570
-35	86.250	6	102.340	47	118.240	88	133.950
-34	86.640	7	102.730	48	118.630	89	134.330
-33	87.040	8	103.120	49	119.010	90	134.710
-32	87.430	9	103.510	50	119.400	91	135.090
-31	87.830	10	103.900	51	119.780	92	135.470
-30	88.220	11	104.290	52	120.170	93	135.850
-29	88.620	12	104.680	53	120.550	94	136.230
-28	89.010	13	105.070	54	120.940	95	136.610
-27	89.400	14	105.460	55	121.320	96	136.990
-26	89.800	15	105.850	56	121.710	97	137.370
-25	90.190	16	106.240	57	122.090	98	137.750
-24	90.590	17	106.630	58	122.470	99	138.130
-23	90.980	18	107.020	59	122.860	100	138.510
-22	91.370	19	107.400	60	123.240	101	138.880
-21	91.770	20	107.790	61	123.630	102	139.260
-20	92.160	21	108.180	62	124.010	103	139.640
-19	92.550	22	108.570	63	124.390	104	140.020
-18	92.950	23	108.960	64	124.780	105	140.400
-17	93.340	24	109.350	65	125.160	106	140.780
-16	93.730	25	109.730	66	125.540	107	141.160
-15	94.120	26	110.120	67	125.930	108	141.540
-14	94.520	27	110.510	68	126.310	109	141.910
-13	94.910	28	110.900	69	126.690	110	142.290
-12	95.300	29	111.290	70	127.080	111	142.670
-11	95.690	30	111.670	71	127.460	112	413.050
-10	96.090	31	112.060	72	127.840	113	143.430

T(°C)	R(Ω)	T(°C)	R(Ω)	T(°C)	R(Ω)	T(°C)	R(Ω)
114	143.800	155	159.190	196	174.380		
115	144.180	156	159.560	197	174.750		
116	144.560	157	159.940	198	175.120		
117	144.940	158	160.310	199	175.490		
118	145.310	159	160.680	200	175.860		
119	145.690	160	161.050				
120	146.070	161	161.430				
121	146.440	162	161.800				
122	146.820	163	162.170				
123	147.200	164	162.540				
124	147.570	165	162.910				
125	147.950	166	163.290				
126	148.330	167	163.660				
127	148.700	168	164.030				
128	149.080	169	164.400				
129	149.460	170	164.770				
130	149.830	171	165.140				
131	150.210	172	165.510				
132	150.580	173	165.890				
133	150.960	174	166.260				
134	151.330	175	166.630				
135	151.710	176	167.000				
136	152.080	177	167.370				
137	152.460	178	167.740				
138	152.830	179	168.110				
139	153.210	180	168.480				
140	153.580	181	168.850				
141	153.960	182	169.220				
142	154.330	183	169.590				
143	154.710	184	169.960				
144	155.080	185	170.330				
145	155.460	186	170.700				
146	155.830	187	171.070				
147	156.200	188	171.430				
148	156.580	189	171.800				
149	156.950	190	172.170				
150	157.330	191	172.540				
151	157.700	192	172.910				
152	158.070	193	173.280				
153	158.450	194	173.650				
154	158.820	195	174.020				

# 温度传感器

## KMT120 PT1000

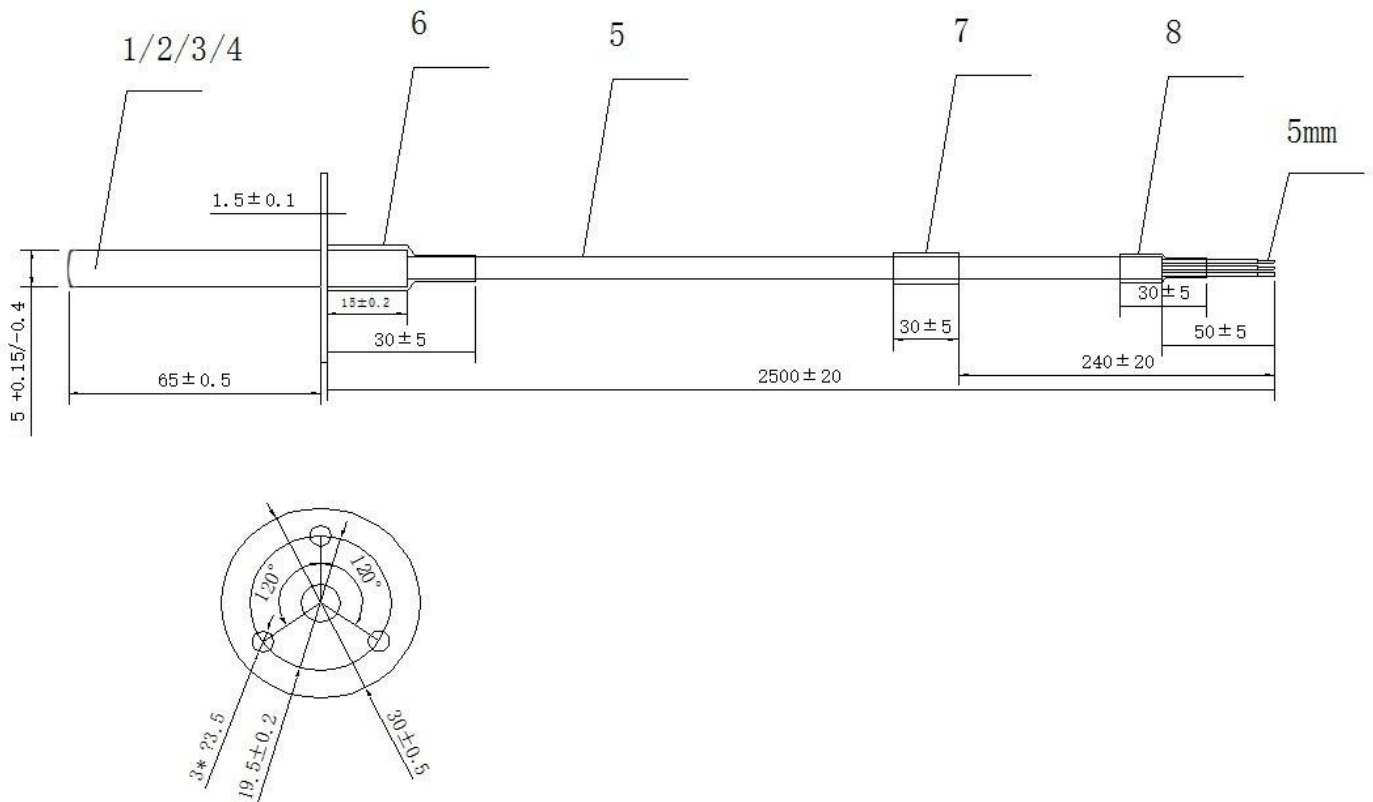


- 工业级PT1000传感器
- 阻值范围为842.7Ω to 1309Ω (-40°C to 80°C)
- IP65防护等级
- 响应时间短
- 温度精度高

### 技术参数

温度传感器类型	PT1000
精度等级	Class A
连接	2 线连接
传感器长度	65 mm
直径	5 mm
传感器材料	5*80 不锈钢外壳
电气连接	电缆长度2500 mm, UL2464 26号 3C TS线外径: 4.0
温度范围	-40°C to 80°C
温度精度	≤±0.3%(-40°C to 80°C)
热时间常数	Max 11sec (In water 25°C-50°C)
热耗散系数	Min 2.5mW/°C (in air)
温度响应时间	≤3s
标准	DIN EN 175 301-803-A
额定电压	AC/DC 250 V
防护等级 (IEC 60529)	IP65
阻燃等级	94 HB

# 尺寸图



序号	名称	材料	备注
1	热敏电阻		PT100 A
2	环氧树脂		黑
3	环氧树脂		黑
4	保护壳	5*80 不锈钢外壳	
5	电缆	UL2464 26号 3C TS线 外径: 4.0	黑
6	热收缩套管	6.4 双壁热缩套管	黑
7	热收缩套管	4.0黄色热缩套管	黄
8	热收缩套管	4.0黑色热缩套管	黑

## 产品认证



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**R-T Table**
**Temperature vs Resistance**

T °C	0	1	2	3	4	5	6	7	8	9
	Resistance(Ω)									
-40	842.7	838.7	834.8	830.8	826.9	822.9	818.9	815.0	811.0	807.0
-30	882.2	878.3	874.3	870.4	866.4	862.5	858.5	854.6	850.6	846.7
-20	921.6	917.7	913.7	909.8	905.9	901.9	898.0	894.0	890.1	886.2
-10	960.9	956.9	953.0	949.1	945.2	941.2	937.3	933.4	929.5	925.5
0	1000.0	996.1	992.2	988.3	984.4	980.4	976.5	972.6	968.7	964.8
0	1000.0	1003.9	1007.8	1011.7	1015.6	1019.5	1023.4	1027.3	1031.2	1035.1
10	1039.0	1042.9	1046.8	1050.7	1054.6	1058.5	1062.4	1066.3	1070.2	1074.0
20	1077.9	1081.8	1085.7	1089.6	1093.5	1097.3	1101.2	1105.1	1109.0	1112.9
30	1116.7	1120.6	1124.5	1128.3	1132.2	1136.1	1140.0	1143.8	1147.7	1151.5
40	1155.4	1159.3	1163.1	1167.0	1170.8	1174.7	1178.6	1182.4	1186.3	1190.1
50	1194.0	1197.8	1201.7	1205.5	1209.4	1213.2	1217.1	1220.9	1224.7	1228.6
60	1232.4	1236.3	1240.1	1243.9	1247.8	1251.6	1255.4	1259.3	1263.1	1266.9
70	1270.8	1274.6	1278.4	1282.2	1286.1	1289.9	1293.7	1297.5	1301.3	1305.2
80	1309.0	1312.8	1316.6	1320.4	1324.2	1328.0	1331.8	1335.7	1339.5	1343.3
90	1347.1	1350.9	1354.7	1358.5	1362.3	1366.1	1369.9	1373.7	1377.5	1381.3
100	1385.1	1388.8	1392.6	1396.4	1400.2	1404.0	1407.8	1411.6	1415.4	1419.1
110	1422.9	1426.7	1430.5	1434.3	1438.0	1441.8	1445.6	1449.4	1453.1	1456.9
120	1460.7	1464.4	1468.2	1472.0	1475.7	1479.5	1483.3	1487.0	1490.8	1494.6
130	1498.3	1502.1	1509.6	1509.6	1513.3	1517.1	1520.8	1524.6	1525.3	1532.1
140	1535.8	1539.6	1547.1	1547.1	1550.8	1554.6	1558.3	1562.0	1565.8	1569.5
150	1573.3	1577.0	1584.5	1584.5	1588.2	1591.9	1595.6	1599.4	1603.1	1603.8
160	1610.5	1614.3	1621.7	1621.7	1625.4	1629.1	1632.9	1636.6	1640.3	1644.0
170	1647.7	1651.4	1658.9	1658.9	1662.6	1666.3	1670.0	1673.7	1677.4	1681.1
180	1684.8	1688.5	1695.9	1695.9	1699.6	1703.3	1707.0	1710.7	1714.3	1718.0
190	1721.7	1725.4	1732.8	1732.8	1736.5	1740.2	1743.8	1747.5	1751.2	1754.9
200	1758.6	1762.2	1765.9	1769.6	1773.3	1776.9	1780.6	1784.3	1787.9	1791.6

# 温度传感器

## KMT130 NTC

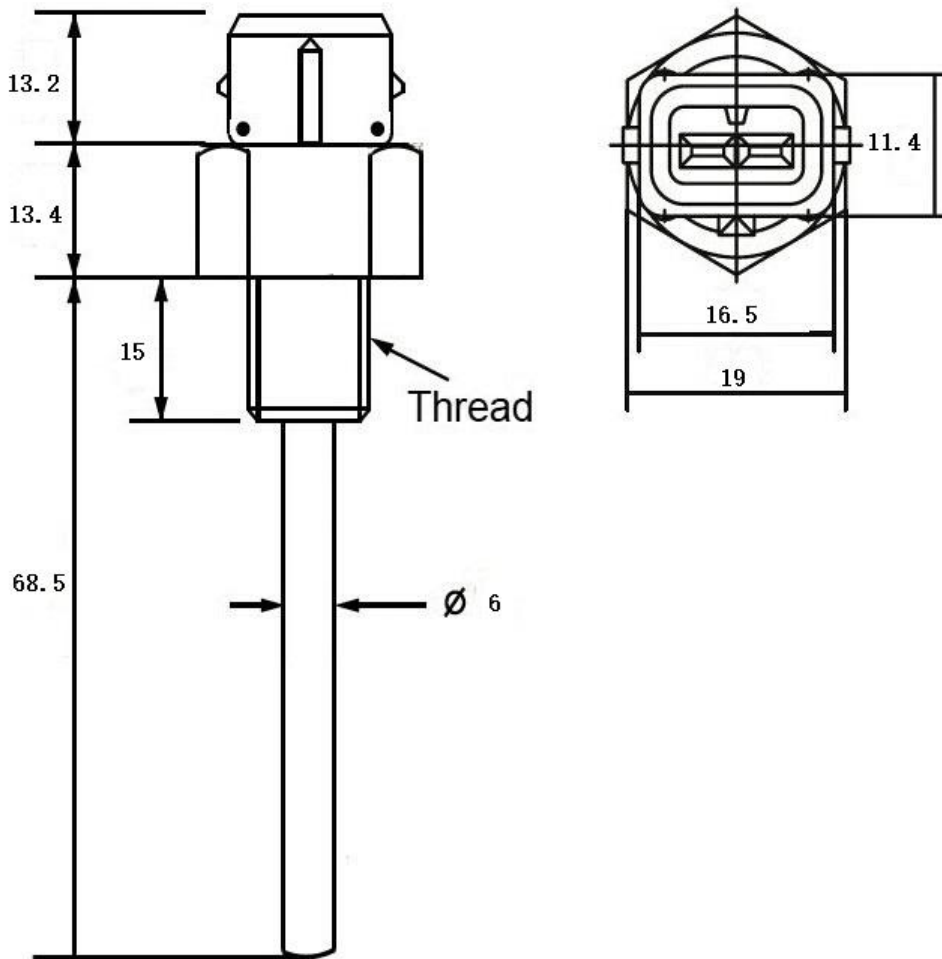


- 工业级NTC传感器
- 阻值范围为168.8 K $\Omega$  to 606  $\Omega$  (-40 $^{\circ}$ C to 80 $^{\circ}$ C)
- IP65防护等级
- 响应时间短
- 温度精度高

### 技术参数

温度传感器类型	NTC
精度等级	Class A
B值	R25 $^{\circ}$ C=5K $\Omega$ $\pm$ 0.5% B25/50 $^{\circ}$ C=3970K $\pm$ 0.5%
连接	2线连接
传感器长度	95.1 mm
直径	6 mm
传感器材料	6*81.9 不锈钢外壳
电气连接	插头连接器
温度范围	-40 $^{\circ}$ C to 80 $^{\circ}$ C
温度精度	$\leq$ $\pm$ 0.3%(-40 $^{\circ}$ C to 80 $^{\circ}$ C)
热时间常数	Max 11sec (In water 25 $^{\circ}$ C-50 $^{\circ}$ C)
热耗散系数	Min 2.5mW/ $^{\circ}$ C (in air)
温度响应时间	$\leq$ 3s
标准	DIN EN 175 301-803-A
额定电压	AC/DC 250 V
防护等级 (IEC 60529)	IP65
阻燃等级	94 HB
配件	保护壳、插头

尺寸图



单位 : mm

产品认证



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### R-T Table

R-T (R25°C=5KΩ±0.8%B25/85°C=3970K±0.5%)

T(°C)	Rmin(K)	Rcent(K)	Rmax(K)	DR(%)	DT(°C)	T(°C)	Rmin(K)	Rcent(K)	Rmax(K)	DR(%)	DT(°C)
-40	168.8	176.671	184.9	4.67%	0.67	1	15.31	15.639	15.98	2.16%	0.42
-39	157.8	165.039	172.6	4.59%	0.66	2	14.55	14.861	15.17	2.11%	0.41
-38	147.6	154.252	161.2	4.52%	0.66	3	13.84	14.126	14.42	2.05%	0.4
-37	138.1	144.244	150.7	4.45%	0.65	4	13.17	13.432	13.7	2.00%	0.4
-36	129.3	134.954	140.9	4.38%	0.65	5	12.53	12.776	13.03	1.95%	0.39
-35	121.1	126.325	131.8	4.31%	0.64	6	11.93	12.156	12.39	1.90%	0.38
-34	113.5	118.307	123.3	4.25%	0.64	7	11.36	11.57	11.78	1.85%	0.37
-33	106.4	110.851	115.5	4.18%	0.63	8	10.82	11.016	11.21	1.80%	0.37
-32	99.8	103.915	108.2	4.11%	0.62	9	10.31	10.491	10.67	1.75%	0.36
-31	93.7	97.46	101.4	4.04%	0.62	10	9.83	9.994	10.16	1.70%	0.35
-30	87.94	91.449	95.09	3.98%	0.61	11	9.37	9.524	9.68	1.65%	0.34
-29	82.61	85.849	89.21	3.91%	0.61	12	8.93	9.079	9.22	1.60%	0.33
-28	77.63	80.629	83.73	3.85%	0.6	13	8.52	8.657	8.79	1.56%	0.33
-27	72.99	75.761	78.63	3.78%	0.6	14	8.13	8.257	8.38	1.51%	0.32
-26	68.66	71.219	73.87	3.72%	0.59	15	7.76	7.878	7.99	1.46%	0.31
-25	64.61	66.979	69.43	3.66%	0.59	16	7.41	7.518	7.62	1.41%	0.3
-24	60.83	63.019	65.28	3.59%	0.58	17	7.08	7.177	7.27	1.37%	0.29
-23	57.29	59.319	61.41	3.53%	0.57	18	6.76	6.853	6.94	1.32%	0.29
-22	53.98	55.861	57.8	3.47%	0.57	19	6.46	6.546	6.63	1.27%	0.28
-21	50.89	52.626	54.42	3.41%	0.56	20	6.18	6.254	6.33	1.23%	0.27
-20	47.99	49.6	51.26	3.34%	0.56	21	5.91	5.977	6.05	1.18%	0.26
-19	45.28	46.767	48.3	3.28%	0.55	22	5.65	5.714	5.78	1.13%	0.25
-18	42.73	44.114	45.54	3.22%	0.54	23	5.4	5.464	5.52	1.09%	0.24
-17	40.35	41.629	42.95	3.16%	0.54	24	5.17	5.226	5.28	1.04%	0.24
-16	38.11	39.299	40.52	3.10%	0.53	25	4.95	5	5.05	1.00%	0.23
-15	36.01	37.115	38.24	3.05%	0.53	26	4.74	4.785	4.83	1.04%	0.24
-14	34.05	35.065	36.11	2.99%	0.52	27	4.53	4.58	4.63	1.09%	0.25
-13	32.2	33.142	34.11	2.93%	0.51	28	4.34	4.386	4.44	1.13%	0.26
-12	30.46	31.337	32.24	2.87%	0.51	29	4.15	4.2	4.25	1.18%	0.27
-11	28.83	29.641	30.47	2.81%	0.5	30	3.97	4.024	4.07	1.22%	0.29
-10	27.29	28.047	28.82	2.76%	0.49	31	3.81	3.856	3.9	1.26%	0.3
-9	25.85	26.549	27.27	2.70%	0.49	32	3.65	3.695	3.74	1.31%	0.31
-8	24.49	25.14	25.81	2.64%	0.48	33	3.5	3.543	3.59	1.35%	0.32
-7	23.21	23.815	24.43	2.59%	0.47	34	3.35	3.397	3.44	1.39%	0.33
-6	22.01	22.568	23.14	2.53%	0.47	35	3.21	3.259	3.31	1.43%	0.35
-5	20.87	21.394	21.92	2.48%	0.46	36	3.08	3.126	3.17	1.48%	0.36
-4	19.81	20.288	20.78	2.42%	0.45	37	2.95	3	3.05	1.52%	0.37
-3	18.8	19.245	19.7	2.37%	0.45	38	2.84	2.88	2.92	1.56%	0.38
-2	17.85	18.263	18.69	2.32%	0.44	39	2.72	2.765	2.81	1.60%	0.4
-1	16.95	17.337	17.73	2.26%	0.43	40	2.61	2.655	2.7	1.64%	0.41
0	16.106	16.463	16.827	2.21%	0.42						

R-T (R25°C=5KΩ±0.8%B25/85°C=3970K±0.5%)											
T(°C)	Rmin(K)	Rcent(K)	Rmax(K)	DR(%)	DT(°C)	T(°C)	Rmin(K)	Rcent(K)	Rmax(K)	DR(%)	DT(°C)
41	2.508	2.55	2.593	1.68%	0.421	81	0.587	0.605	0.624	3.16%	0.99
42	2.408	2.45	2.492	1.72%	0.434	82	0.568	0.586	0.605	3.19%	1.01
43	2.314	2.355	2.396	1.76%	0.447	83	0.55	0.568	0.586	3.22%	1.03
44	2.223	2.263	2.304	1.80%	0.46	84	0.532	0.55	0.568	3.25%	1.04
45	2.136	2.176	2.216	1.84%	0.473	85	0.516	0.5328	0.55	3.29%	1.06
46	2.053	2.092	2.132	1.88%	0.486	86	0.5	0.516	0.533	3.32%	1.07
47	1.974	2.013	2.051	1.92%	0.499	87	0.484	0.5	0.517	3.35%	1.09
48	1.899	1.936	1.974	1.96%	0.513	88	0.469	0.485	0.501	3.38%	1.11
49	1.826	1.863	1.9	2.00%	0.526	89	0.455	0.47	0.486	3.42%	1.12
50	1.757	1.793	1.83	2.04%	0.539	90	0.441	0.456	0.472	3.45%	1.14
51	1.691	1.726	1.762	2.08%	0.553	91	0.427	0.442	0.458	3.48%	1.16
52	1.628	1.662	1.697	2.12%	0.566	92	0.414	0.429	0.444	3.51%	1.17
53	1.567	1.601	1.635	2.16%	0.58	93	0.402	0.416	0.431	3.54%	1.19
54	1.509	1.542	1.576	2.20%	0.594	94	0.39	0.404	0.418	3.57%	1.21
55	1.453	1.486	1.519	2.23%	0.608	95	0.378	0.392	0.406	3.60%	1.22
56	1.4	1.432	1.464	2.27%	0.622	96	0.367	0.38	0.394	3.64%	1.24
57	1.349	1.38	1.412	2.31%	0.635	97	0.356	0.369	0.383	3.67%	1.26
58	1.3	1.331	1.362	2.35%	0.65	98	0.346	0.359	0.372	3.70%	1.27
59	1.253	1.283	1.314	2.38%	0.664	99	0.336	0.348	0.361	3.73%	1.29
60	1.208	1.238	1.267	2.42%	0.678	100	0.326	0.3381	0.351	3.76%	1.31
61	1.165	1.194	1.223	2.46%	0.692	101	0.316	0.328	0.341	3.79%	1.33
62	1.124	1.152	1.181	2.49%	0.706	102	0.307	0.319	0.331	3.82%	1.34
63	1.084	1.112	1.14	2.53%	0.721	103	0.298	0.31	0.322	3.85%	1.36
64	1.046	1.073	1.1	2.57%	0.735	104	0.29	0.301	0.313	3.88%	1.38
65	1.009	1.036	1.063	2.60%	0.75	105	0.282	0.293	0.304	3.91%	1.4
66	0.974	1	1.027	2.64%	0.765	106	0.274	0.285	0.296	3.94%	1.41
67	0.941	0.966	0.992	2.67%	0.779	107	0.266	0.277	0.288	3.97%	1.43
68	0.908	0.933	0.958	2.71%	0.794	108	0.259	0.269	0.28	4.00%	1.45
69	0.877	0.902	0.926	2.75%	0.809	109	0.251	0.262	0.272	4.02%	1.47
70	0.848	0.871	0.895	2.78%	0.824	110	0.244	0.254	0.265	4.05%	1.49
71	0.819	0.842	0.866	2.82%	0.839	111	0.238	0.247	0.258	4.08%	1.5
72	0.791	0.814	0.837	2.85%	0.854	112	0.231	0.241	0.251	4.11%	1.52
73	0.765	0.787	0.81	2.88%	0.87	113	0.225	0.234	0.244	4.14%	1.54
74	0.74	0.761	0.783	2.92%	0.885	114	0.219	0.228	0.237	4.17%	1.56
75	0.715	0.736	0.758	2.95%	0.9	115	0.213	0.222	0.231	4.20%	1.58
76	0.692	0.712	0.734	2.99%	0.916	116	0.207	0.216	0.225	4.22%	1.6
77	0.669	0.689	0.71	3.02%	0.931	117	0.201	0.21	0.219	4.25%	1.62
78	0.647	0.667	0.687	3.06%	0.947	118	0.196	0.204	0.213	4.28%	1.63
79	0.626	0.646	0.665	3.09%	0.962	119	0.191	0.199	0.208	4.31%	1.65
80	0.606	0.625	0.644	3.12%	0.978	120	0.186	0.194	0.202	4.34%	1.67

# 温度传感器

## KMT 150 NTC

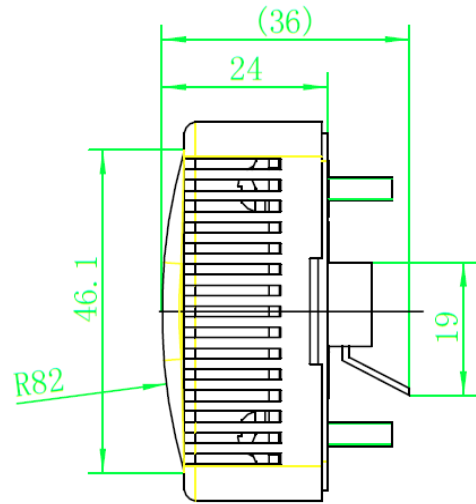
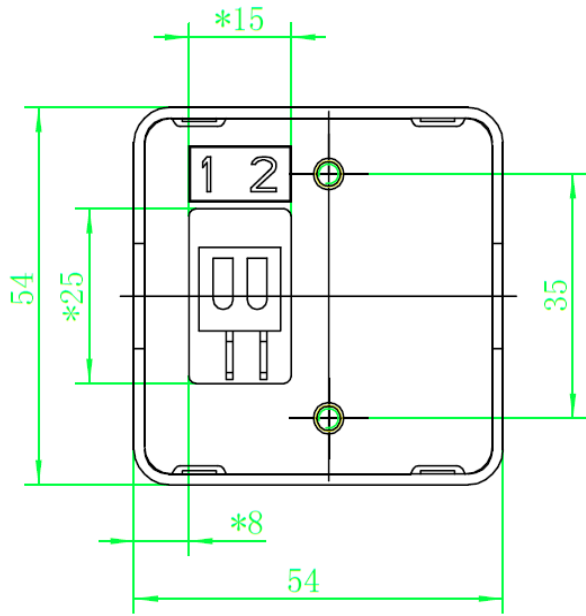


- 工业级NTC传感器
- 阻值范围为 168.8K $\Omega$  to 516 $\Omega$  (-40 $^{\circ}$ C to 85 $^{\circ}$ C)
- Wago 255 弹簧夹端子 (max 2.5mm<sup>2</sup>)
- 温度精度高

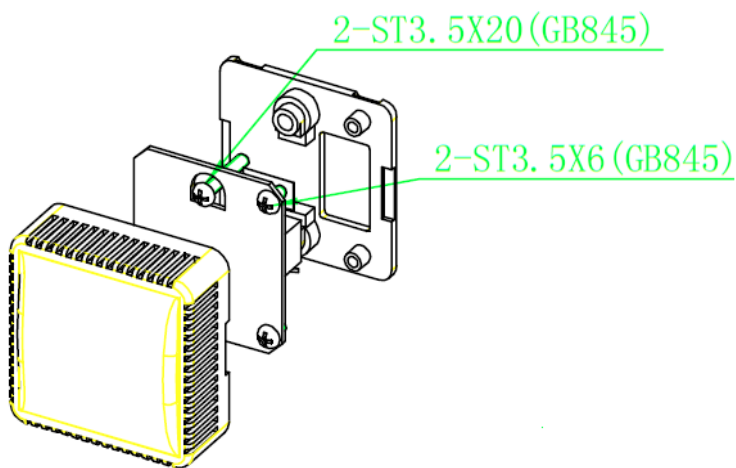
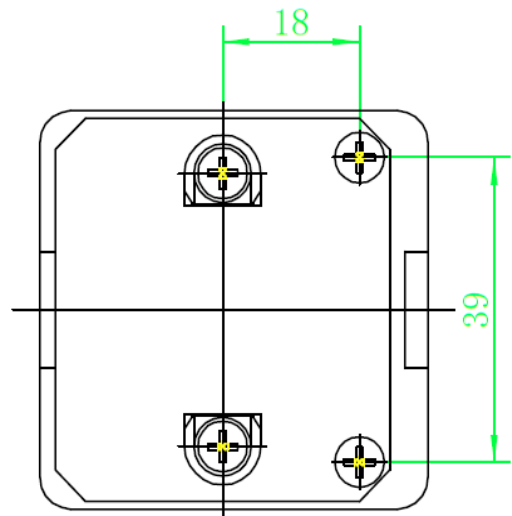
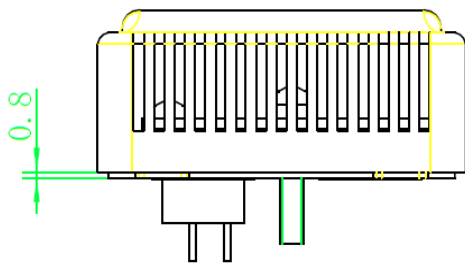
### Specification

温度传感器类型	NTC
温度范围	168.8K $\Omega$ to 516 $\Omega$ (-40 $^{\circ}$ C to 85 $^{\circ}$ C)
温度精度	$\pm 0.3\%$
B值	R25 $^{\circ}$ C=5K $\Omega$ $\pm 0.5\%$ B25/50 $^{\circ}$ C=3970K $\pm 0.5\%$
热耗散系数	Min 2.0mW/ $^{\circ}$ C (in air)
温度响应时间	$\leq 3s$
标准	
颜色	表面颜色符合RAL 00085 00 CLOSS (60)
结构类型	B
尺寸	54mm*54mm*36mm
防护等级	IP20
火灾和烟雾等级	Acc to DIN5510 level 3
振动标准	Acc to EN61373 Cat1-Class B Class T2
连接方式	Wago 255 spring clip terminal (max 2.5mm <sup>2</sup> )

# Connector Wiring



removed cover

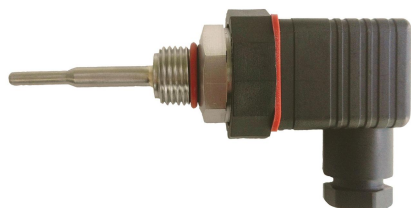


**R-T Table**

R-T (R25°C=5KΩ±0.8% B25/85°C=3970K±0.5%)											
T(°C)	Rmin(KΩ)	Rcent(KΩ)	Rmax(KΩ)	DR(%)	DT(°C)	T(°C)	Rmin(KΩ)	Rcent(KΩ)	Rmax(KΩ)	DR(%)	DT(°C)
-40	168.8	176.671	184.9	4.67%	0.67	1	15.31	15.639	15.98	2.16%	0.42
-39	157.8	165.039	172.6	4.59%	0.66	2	14.55	14.861	15.17	2.11%	0.41
-38	147.6	154.252	161.2	4.52%	0.66	3	13.84	14.126	14.42	2.05%	0.4
-37	138.1	144.244	150.7	4.45%	0.65	4	13.17	13.432	13.7	2.00%	0.4
-36	129.3	134.954	140.9	4.38%	0.65	5	12.53	12.776	13.03	1.95%	0.39
-35	121.1	126.325	131.8	4.31%	0.64	6	11.93	12.156	12.39	1.90%	0.38
-34	113.5	118.307	123.3	4.25%	0.64	7	11.36	11.57	11.78	1.85%	0.37
-33	106.4	110.851	115.5	4.18%	0.63	8	10.82	11.016	11.21	1.80%	0.37
-32	99.8	103.915	108.2	4.11%	0.62	9	10.31	10.491	10.67	1.75%	0.36
-31	93.7	97.46	101.4	4.04%	0.62	10	9.83	9.994	10.16	1.70%	0.35
-30	87.94	91.449	95.09	3.98%	0.61	11	9.37	9.524	9.68	1.65%	0.34
-29	82.61	85.849	89.21	3.91%	0.61	12	8.93	9.079	9.22	1.60%	0.33
-28	77.63	80.629	83.73	3.85%	0.6	13	8.52	8.657	8.79	1.56%	0.33
-27	72.99	75.761	78.63	3.78%	0.6	14	8.13	8.257	8.38	1.51%	0.32
-26	68.66	71.219	73.87	3.72%	0.59	15	7.76	7.878	7.99	1.46%	0.31
-25	64.61	66.979	69.43	3.66%	0.59	16	7.41	7.518	7.62	1.41%	0.3
-24	60.83	63.019	65.28	3.59%	0.58	17	7.08	7.177	7.27	1.37%	0.29
-23	57.29	59.319	61.41	3.53%	0.57	18	6.76	6.853	6.94	1.32%	0.29
-22	53.98	55.861	57.8	3.47%	0.57	19	6.46	6.546	6.63	1.27%	0.28
-21	50.89	52.626	54.42	3.41%	0.56	20	6.18	6.254	6.33	1.23%	0.27
-20	47.99	49.6	51.26	3.34%	0.56	21	5.91	5.977	6.05	1.18%	0.26
-19	45.28	46.767	48.3	3.28%	0.55	22	5.65	5.714	5.78	1.13%	0.25
-18	42.73	44.114	45.54	3.22%	0.54	23	5.4	5.464	5.52	1.09%	0.24
-17	40.35	41.629	42.95	3.16%	0.54	24	5.17	5.226	5.28	1.04%	0.24
-16	38.11	39.299	40.52	3.10%	0.53	25	4.95	5	5.05	1.00%	0.23
-15	36.01	37.115	38.24	3.05%	0.53	26	4.74	4.785	4.83	1.04%	0.24
-14	34.05	35.065	36.11	2.99%	0.52	27	4.53	4.58	4.63	1.09%	0.25
-13	32.2	33.142	34.11	2.93%	0.51	28	4.34	4.386	4.44	1.13%	0.26
-12	30.46	31.337	32.24	2.87%	0.51	29	4.15	4.2	4.25	1.18%	0.27
-11	28.83	29.641	30.47	2.81%	0.5	30	3.97	4.024	4.07	1.22%	0.29
-10	27.29	28.047	28.82	2.76%	0.49	31	3.81	3.856	3.9	1.26%	0.3
-9	25.85	26.549	27.27	2.70%	0.49	32	3.65	3.695	3.74	1.31%	0.31
-8	24.49	25.14	25.81	2.64%	0.48	33	3.5	3.543	3.59	1.35%	0.32
-7	23.21	23.815	24.43	2.59%	0.47	34	3.35	3.397	3.44	1.39%	0.33
-6	22.01	22.568	23.14	2.53%	0.47	35	3.21	3.259	3.31	1.43%	0.35
-5	20.87	21.394	21.92	2.48%	0.46	36	3.08	3.126	3.17	1.48%	0.36
-4	19.81	20.288	20.78	2.42%	0.45	37	2.95	3	3.05	1.52%	0.37
-3	18.8	19.245	19.7	2.37%	0.45	38	2.84	2.88	2.92	1.56%	0.38
-2	17.85	18.263	18.69	2.32%	0.44	39	2.72	2.765	2.81	1.60%	0.4
-1	16.95	17.337	17.73	2.26%	0.43	40	2.61	2.655	2.7	1.64%	0.41
0	16.106	16.463	16.827	2.21%	0.42						

R-T (R25°C=5KΩ±0.8% B25/85°C=3970K±0.5%)											
T(°C)	Rmin(KΩ)	Rcent(KΩ)	Rmax(KΩ)	DR(%)	DT(°C)	T(°C)	Rmin(KΩ)	Rcent(KΩ)	Rmax(KΩ)	DR(%)	DT(°C)
41	2.508	2.55	2.593	1.68%	0.421	81	0.587	0.605	0.624	3.16%	0.99
42	2.408	2.45	2.492	1.72%	0.434	82	0.568	0.586	0.605	3.19%	1.01
43	2.314	2.355	2.396	1.76%	0.447	83	0.55	0.568	0.586	3.22%	1.03
44	2.223	2.263	2.304	1.80%	0.46	84	0.532	0.55	0.568	3.25%	1.04
45	2.136	2.176	2.216	1.84%	0.473	85	0.516	0.5328	0.55	3.29%	1.06
46	2.053	2.092	2.132	1.88%	0.486	86	0.5	0.516	0.533	3.32%	1.07
47	1.974	2.013	2.051	1.92%	0.499	87	0.484	0.5	0.517	3.35%	1.09
48	1.899	1.936	1.974	1.96%	0.513	88	0.469	0.485	0.501	3.38%	1.11
49	1.826	1.863	1.9	2.00%	0.526	89	0.455	0.47	0.486	3.42%	1.12
50	1.757	1.793	1.83	2.04%	0.539	90	0.441	0.456	0.472	3.45%	1.14
51	1.691	1.726	1.762	2.08%	0.553	91	0.427	0.442	0.458	3.48%	1.16
52	1.628	1.662	1.697	2.12%	0.566	92	0.414	0.429	0.444	3.51%	1.17
53	1.567	1.601	1.635	2.16%	0.58	93	0.402	0.416	0.431	3.54%	1.19
54	1.509	1.542	1.576	2.20%	0.594	94	0.39	0.404	0.418	3.57%	1.21
55	1.453	1.486	1.519	2.23%	0.608	95	0.378	0.392	0.406	3.60%	1.22
56	1.4	1.432	1.464	2.27%	0.622	96	0.367	0.38	0.394	3.64%	1.24
57	1.349	1.38	1.412	2.31%	0.635	97	0.356	0.369	0.383	3.67%	1.26
58	1.3	1.331	1.362	2.35%	0.65	98	0.346	0.359	0.372	3.70%	1.27
59	1.253	1.283	1.314	2.38%	0.664	99	0.336	0.348	0.361	3.73%	1.29
60	1.208	1.238	1.267	2.42%	0.678	100	0.326	0.3381	0.351	3.76%	1.31
61	1.165	1.194	1.223	2.46%	0.692	101	0.316	0.328	0.341	3.79%	1.33
62	1.124	1.152	1.181	2.49%	0.706	102	0.307	0.319	0.331	3.82%	1.34
63	1.084	1.112	1.14	2.53%	0.721	103	0.298	0.31	0.322	3.85%	1.36
64	1.046	1.073	1.1	2.57%	0.735	104	0.29	0.301	0.313	3.88%	1.38
65	1.009	1.036	1.063	2.60%	0.75	105	0.282	0.293	0.304	3.91%	1.4
66	0.974	1	1.027	2.64%	0.765	106	0.274	0.285	0.296	3.94%	1.41
67	0.941	0.966	0.992	2.67%	0.779	107	0.266	0.277	0.288	3.97%	1.43
68	0.908	0.933	0.958	2.71%	0.794	108	0.259	0.269	0.28	4.00%	1.45
69	0.877	0.902	0.926	2.75%	0.809	109	0.251	0.262	0.272	4.02%	1.47
70	0.848	0.871	0.895	2.78%	0.824	110	0.244	0.254	0.265	4.05%	1.49
71	0.819	0.842	0.866	2.82%	0.839	111	0.238	0.247	0.258	4.08%	1.5
72	0.791	0.814	0.837	2.85%	0.854	112	0.231	0.241	0.251	4.11%	1.52
73	0.765	0.787	0.81	2.88%	0.87	113	0.225	0.234	0.244	4.14%	1.54
74	0.74	0.761	0.783	2.92%	0.885	114	0.219	0.228	0.237	4.17%	1.56
75	0.715	0.736	0.758	2.95%	0.9	115	0.213	0.222	0.231	4.20%	1.58
76	0.692	0.712	0.734	2.99%	0.916	116	0.207	0.216	0.225	4.22%	1.6
77	0.669	0.689	0.71	3.02%	0.931	117	0.201	0.21	0.219	4.25%	1.62
78	0.647	0.667	0.687	3.06%	0.947	118	0.196	0.204	0.213	4.28%	1.63
79	0.626	0.646	0.665	3.09%	0.962	119	0.191	0.199	0.208	4.31%	1.65
80	0.606	0.625	0.644	3.12%	0.978	120	0.186	0.194	0.202	4.34%	1.67

## 温度传感器 KMT170 NTC

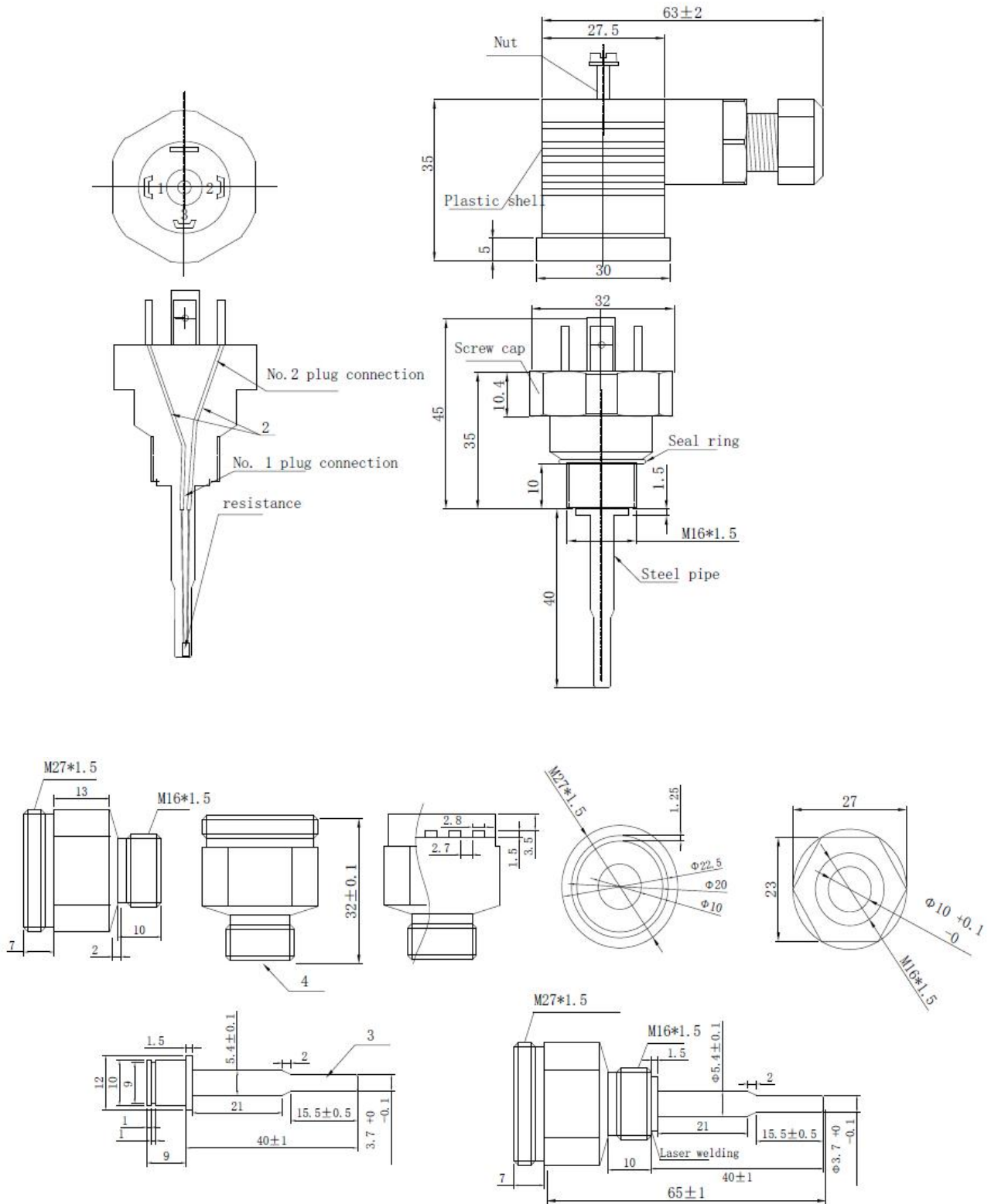


- 工业级NTC传感器
- 阻值范围为347.16KΩ to 341.5Ω (-40°C to 125°C)
- M16标准接口
- IP65防护等级
- 响应时间短
- 温度精度高

### 技术参数

温度传感器类型	NTC
温度范围	277.2KΩ to 334Ω (-40°C to 125°C)
温度精度	±0.3%
B值	R25°C=10KΩ±0.1% B25/85°C=3960K±2%
热耗散系数	Min 2.0mW/°C (in air)
温度响应时间	≤6s
电气连接	PG 9
导体尺寸	Max. 1.5 mm <sup>2</sup>
标准	DIN EN 175 301-803-A
颜色	Black
结构类型	A
接触电阻	≤ 4 mOhm
适用电缆	4.5 mm to 7 mm 直径
连接螺纹	M16 螺纹
接触面材料	Sn
接触支架材料	PA
外壳材料	PA
传感器探头	316不锈钢
阻燃等级	94 HB

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产品认证





**R-T Table**
**R25°C=10KΩ±0.1% B25/85°C=3960K±2%**

T(°C)	R(KΩ)	T(°C)	R(KΩ)	T(°C)	R(KΩ)	T(°C)	R(KΩ)	T(°C)	R(KΩ)
-40	277.2	1	30.25	42	4.915	83	1.128	124	0.343
-39	263.6	2	28.82	43	4.723	84	1.093	125	0.334
-38	250.1	3	27.45	44	4.539	85	1.059		
-37	236.8	4	26.16	45	4.363	86	1.027		
-36	224	5	24.94	46	4.195	87	0.996		
-35	211.5	6	23.77	47	4.034	88	0.965		
-34	199.6	7	22.67	48	3.88	89	0.936		
-33	188.1	8	21.62	49	3.733	90	0.908		
-32	177.3	9	20.63	50	3.592	91	0.881		
-31	167	10	19.68	51	3.457	92	0.855		
-30	157.2	11	18.78	52	3.328	93	0.83		
-29	148.1	12	17.93	53	3.204	94	0.805		
-28	139.4	13	17.12	54	3.086	95	0.782		
-27	131.3	14	16.35	55	2.972	96	0.759		
-26	123.7	15	15.62	56	2.863	97	0.737		
-25	116.6	16	14.93	57	2.759	98	0.715		
-24	110	17	14.26	58	2.659	99	0.695		
-23	103.7	18	13.63	59	2.564	100	0.674		
-22	97.9	19	13.04	60	2.472	101	0.656		
-21	92.5	20	12.47	61	2.384	102	0.638		
-20	87.43	21	11.92	62	2.299	103	0.62		
-19	82.79	22	11.41	63	2.218	104	0.603		
-18	78.44	23	10.91	64	2.141	105	0.586		
-17	74.36	24	10.45	65	2.066	106	0.569		
-16	70.53	25	10	66	1.994	107	0.554		
-15	66.92	26	9.575	67	1.926	108	0.538		
-14	63.54	27	9.17	68	1.86	109	0.523		
-13	60.34	28	8.784	69	1.796	110	0.508		
-12	57.33	29	8.416	70	1.735	111	0.494		
-11	54.5	30	8.064	71	1.677	112	0.48		
-10	51.82	31	7.73	72	1.621	113	0.467		
-9	49.28	32	7.41	73	1.567	114	0.454		
-8	46.89	33	7.106	74	1.515	115	0.441		
-7	44.62	34	6.815	75	1.465	116	0.429		
-6	42.48	35	6.538	76	1.417	117	0.417		
-5	40.45	36	6.273	77	1.371	118	0.406		
-4	38.53	37	6.02	78	1.326	119	0.394		
-3	36.7	38	5.778	79	1.284	120	0.384		
-2	34.97	39	5.548	80	1.243	121	0.373		
-1	33.33	40	5.327	81	1.203	122	0.363		
0	31.77	41	5.117	82	1.165	123	0.353		

# 温度传感器 KTS0880

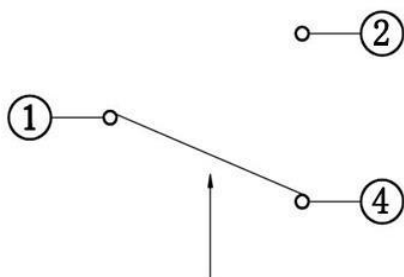


- 高防护等级
- 结构坚固紧凑
- 抗冲击和振动
- 适用介质：润滑油等
- 温度设定值：80°C

## 技术参数

设定值	80 °C
传感器最高探测温度	200 °C
调整方式	自动复位
触点	单刀双掷
触点材料	银合金
环境温度	-30°C - 70 °C
防护等级	IP65
连接	M18*1.5
温度精度	±3 °C
连接螺纹	NPT1/2

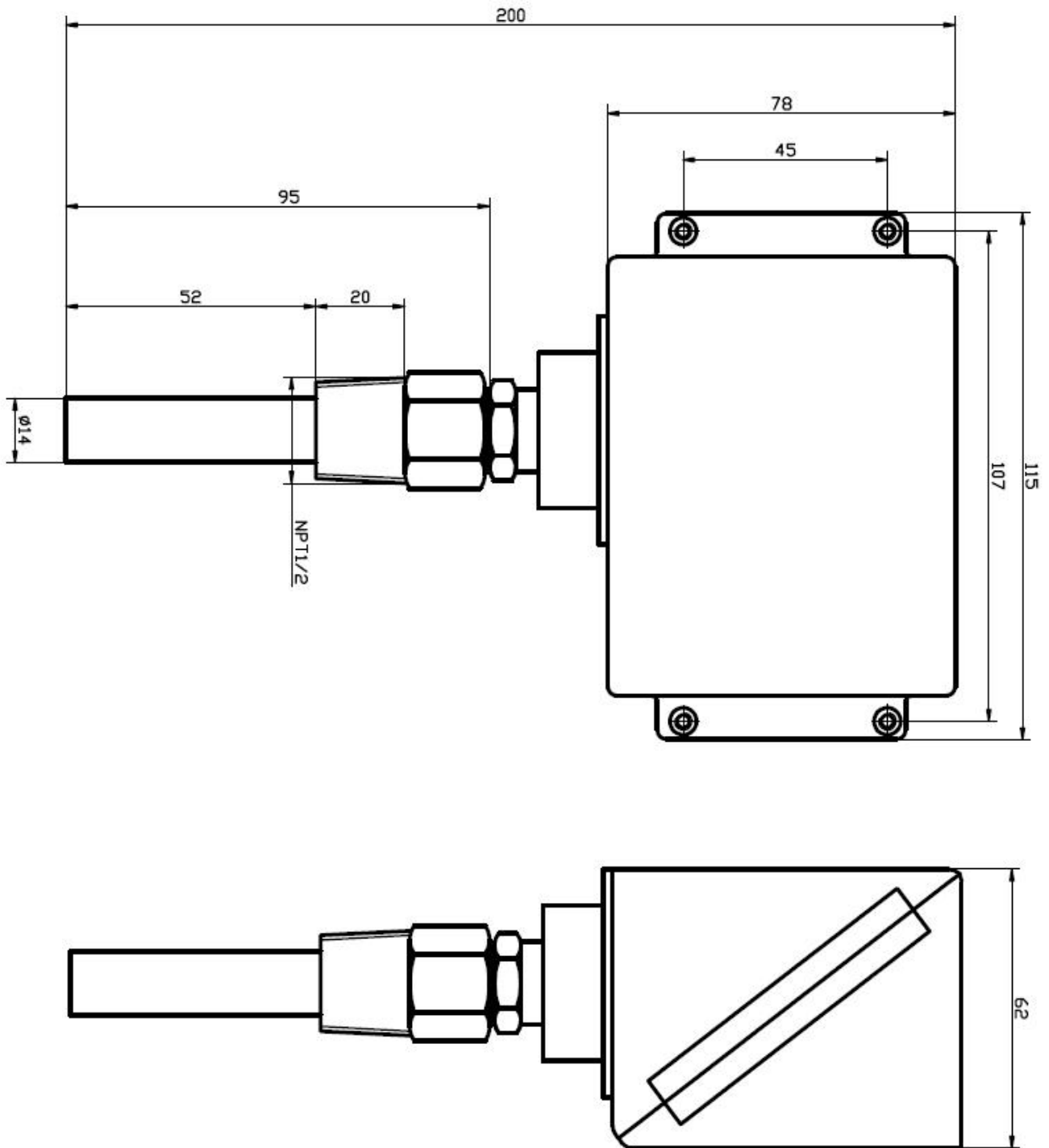
## 电气连接



- ①公共端
- ①—② 升温时打开
- ①—④ 升温时关闭

Rated current \ Rated voltage		power factor cosΦ	125 VAC	250 VAC
			15	15
Resistance load		1	15	15
Inductive load	Constant current	0.75	3.5	2.5
	Instantaneous current	0.75	21	15

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