

温度传感器

KMT120 PT100

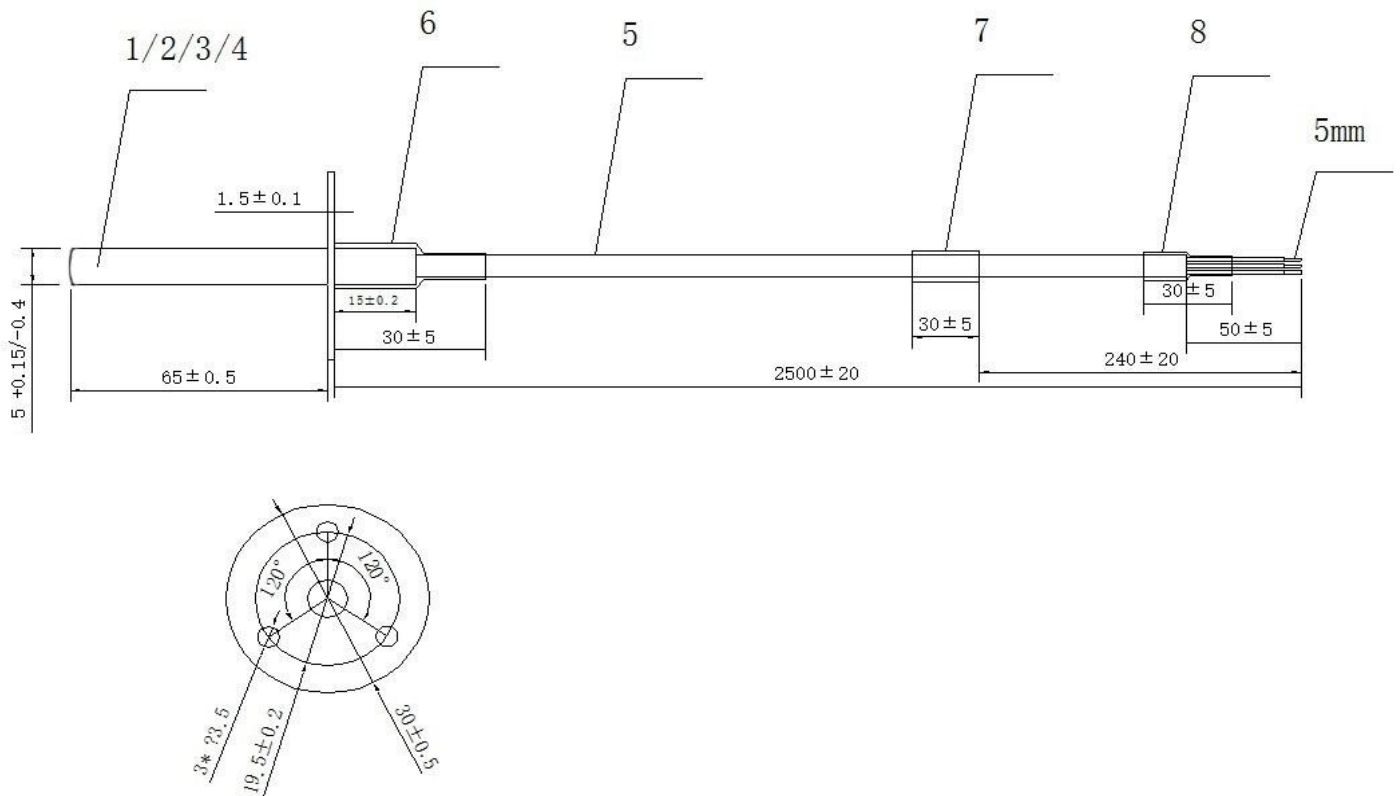


- 工业级PT100传感器
- 阻值范围为84.27K to 130.9K (-40°C to 80°C)
- IP65防护等级
- 响应时间短
- 温度精度高

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				