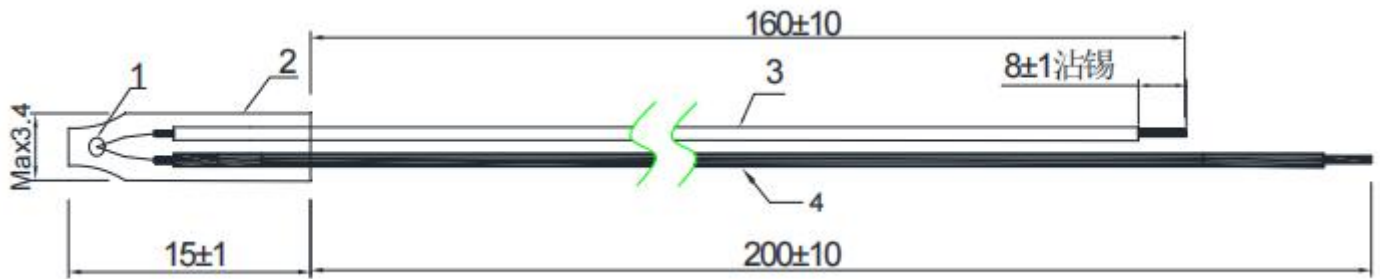


1.产品外形图(Product Drawing)



2.材料清单(Material List)

序号 (NO.)	零件名称 (Part Name)	规格描述 (Specification Description)	用量 (Q 'TY)	备注 (Remark)
1	电阻 (NTC)	R25=10K Ω $\pm 1\%$, B25/50=3435K $\pm 1\%$	1PCS	
2	套管 (Tube)	铁氟龙带胶热缩管 (Teflon tape heat shrinkable tube)	1PCS	
3	线材 (Wire)	UL1332 26AWG 200℃ 白色线	1PCS	
4	线材 (Wire)	UL1332 26AWG 200℃ 黑色线	1PCS	

3.电气性能(Electrical Characteristic)

序号 NO.	项目 (Item)	代号 (Symbol)	测试条件 (Test Conditions)	最小值 (Min.)	中心值 (Nor.)	最大值 (Max.)	单位 (Unit)
3-1	25℃电阻值 (Resistance At 25℃)	R ₂₅	Ta=25℃ ± 0.05℃ P _T ≤ 0.1mW	9.900	10.000	10.100	K Ω
3-2	50℃电阻值 (Resistance At 50℃)	R ₅₀	Ta=85℃ ± 0.05℃ P _T ≤ 0.1mW	/	1.4513	/	K Ω
3-3	B值 (B Value)	B _{25/50}	(1483.396* LnK)	3400.65	3435.00	3469.35	K
3-4	耗散系数 (Thermal Dissipation Constant)	δ	Ta=25℃ (in air)	/	2.0	/	mW/℃
3-5	响应时间-液体中 (Response Time-In liquid)	τ	25℃ → 50℃ T1=25+(50-25)*63.2%=40.8℃	/	15.0	/	Sec
3-6	耐压测试 (Withstand voltage test)	/	3000V AC 1mA	60	/	/	Sec
3-7	绝缘测试 (Insulation test)	/	DC500V 5 Sec	100	/	/	M Ω

4.最大使用等级 (Ratings)

序号 NO.	项目 (Item)	规格 (Specification)	单位 (Unit)
4-1	成品工作温度范围 (Product Working Temp. Range)	-40 ~ +200	℃

5.机械性试验 (Mechanical Test)

序号 NO.	项目 (Item)	技术要求 (Pass Criteria)	测试条件 (Test Conditions)
5-1	拉力测试 (Pull Test)	不松脱、不变形 (NO loosening NO deformation)	传感器引线与环氧树脂间的连接强度, 拉力 $\geq 50\text{N}$ (Connection strength between tail wire and epoxy resin of less than 50N)
5-2	自由落体测试(30mm引线) (Drop Test-30mm Wire)	外观应无明显损伤, 性能测试的要求 (Appearance should be no visible damage, performance test requirements)	3米的高度, 让产品做自由落体运动, 下落到10mm厚的橡木板上, 5次 (Drop on a 30mm thick wooden board from a height of 1m for 5 times)

6. 可靠性测试(Reliability Tests)

序号 NO.	项目 (Item)	技术要求 (Pass Criteria)	测试条件 (Test Conditions)
6-1	高温储存 (High Temperature Storage)	$\Delta R/R \leq \pm 3\%$ 相对初始值(Relative to the initial value)	$200 \pm 3^\circ\text{C}$, $1000 \pm 12\text{h}$ 取出产品后在常态下恢复1H(Take out the product under normal recovery after 1H)
6-2	低温储存 (low Temperature Storage)		$-40 \pm 3^\circ\text{C}$, $1000 \pm 12\text{h}$ 取出产品后在常态下恢复1H(Take out the product under normal recovery after 1H)
6-3	恒温恒湿测试 (Humidity test)		$40 \pm 2^\circ\text{C}$, 相对湿度90%~95%的环境中放置1000H, 取出充分除去表面水滴并在常态下恢复1H; ($40 \pm 2^\circ\text{C}$, relative humidity 90%~95% of the environment to place 1000H, remove sufficient to remove surface water droplets and recovery under normal 1H)
6-4	温度冲击试验 (in air)		顺序: 常温 25°C —高温 $200 \pm 2^\circ\text{C}$ 放置30min—室温 25°C 放置5min—低温 $-40 \pm 2^\circ\text{C}$ 放置30min—室温 25°C 放置5min, 循环20次后, 取出在常温下恢复1H; (Order: room 25°C , high temperature to $200^\circ\text{C} \pm 2^\circ\text{C}$ for 30min -- room 25°C for 5min -- low $-40^\circ\text{C} \pm 2^\circ\text{C}$ for 30min -- room 25°C for 5min, circulation after 20 times, take back 1H at room temperature;)

7. 烙铁焊接条件(Soldering Iron setting)

序号 NO.	项目 (Item)	测试条件 (settings /parameters)
7-1	烙铁温度 (Temperature of Soldering Iron-tip)	$T \leq 360^{\circ}\text{C}$
7-2	焊接时间 (Soldering Time)	$S \leq 3\text{Sec}$
7-3	距电阻的距离 (Distance From Thermistor)	$L \geq 10\text{mm}$

8. 产品储存条件(Storage Conditions)

8-1 储存条件(Storage Conditions) :

1. 储存温度(Ambicnt Temperature): $-10^{\circ}\text{C} \sim +40^{\circ}\text{C}$
2. 相对湿度(Relative Humidity): $\leq 75\%RH$
3. 远离腐蚀和阳光照射(Keep away from corrosive atmosphere and sunlight)

8-2 储存时间(Period of Storage): 1 year

产品储存时间超过一年，为确保使用正常且精度不受影响，建议重新检测后投入使用。

Product storage time more than a year, in order to ensure the use of normal and precision is not affected, recommends testing after put into use.

9. 产品使用条件及注意事项 (Product use conditions and the matters needing attention)

- 9.1 产品使用的最大工作温度，最大功率等，均依照规格书要求作业，不可超出规格书之范围；
(The maximum service temperature of product use, the maximum power to wait, all in accordance with the specification requirements homework, shall not exceed the scope of specification)
- 9.2 产品移动、安装必须轻拿轻放，不可用力拉动；注意保护头部电阻；
(Product mobile, installation must be handled with care not pulling force, attention to protect the head ntc resistance;)
- 9.3 外壳发生变形、氧化等现象时，不要使用，以免影响感温精度；
(Cap occur deformation, oxidation etc. Phenomenon, do not use, so as not to affect the temperature accuracy)
- 9.4 产品外观发现变形、破损时，不可使用，以免影响电性能；
(Product appearance found deformation, breakage, do not use, lest affect performance)
- 9.5 在操作温度范围内，应尽量避免过于激烈的温度变化；
(Avoid from exceeding radical temperature change, which is beyond operation temperature range)
- 9.6 不可施加过度振动的压力；
(Do not add excessive vibration shocking pressure;)
- 9.7 避免过度拉伸，弯曲导线；
(Avoid from excessive pulling and bending of the lead wire)
- 9.8 不要使用在有腐蚀性气体 (CO₂, NH₃, Sox, Nox) 超出指定的条件。不要使用在电解、盐、酸、碱性和有机溶剂超出指定的条件；
(Do not use in corrosiveness gas atmosphere (CO₂, NH₃, Sox, Nox) beyond the designated condition.) Do not use at the place where the sensor touches the electrolytic, brine, acid, alkaline and organic solvent beyond the designated condition;)
- 9.9 尽可能避免使用在有水、高湿及其它带腐蚀性的环境中；
(As far as possible avoid using in water, high humidity and other have rot environment.)
- 9.10 通过负温度系数温度传感器的电流会引起组件自身发热而产生测量误差，因此需在使用前将此因素考虑在内。
(Through the negative temperature coefficient temperature sensor current will cause element own fever and produce measurement error, therefore need before use this factor into consideration.)
- 9.11 产品储存时间超过一年，为确保使用正常且精度不受影响，建议重新检测后投入使用；
(Product storage time more than a year, in order to ensure the use of normal and precision is not affected, recommends testing after put into use;)
- 9.12 产品废弃时，需找专门的回收公司或发回原生产工厂进行处理；
(Waste products, need to find a recycling company specialized or back to the original production plant for processing;)
- 9.13 如果有任何不清楚的地方，请咨询到我们公司的销售主管或工程师。
(If there is anything remaining unclear, please contact to our company's sales supervisor/engineer.)

电阻-温度对应表 (R - T table)

最低温度:	-40 ℃	B25/50	3435	± 1%	K	参考B25/100	3491
最高温度:	200 ℃	零 功 率电阻:	10.00	± 1%	Kohm	参考B0/100	3435
温度梯度:	1 ℃	零功率温度点:	25	± 0.01	℃	材料编号:	N01-4

温度 ℃	最小值 (MIN) Kohm	中间值 (NOR) Kohm	最大值 (MAX) Kohm	温度系数 (α)	温度负公差 (℃)	温度正公差 (℃)	电阻负公差 %	电阻正公差 %
-40	209.220	217.947	227.016	-5.91	-0.70	0.68	-4.00	4.16
-39	197.366	205.478	213.902	-5.87	-0.70	0.67	-3.95	4.10
-38	186.261	193.803	201.630	-5.83	-0.69	0.67	-3.89	4.04
-37	175.853	182.867	190.142	-5.79	-0.69	0.66	-3.84	3.98
-36	166.093	172.618	179.382	-5.75	-0.68	0.66	-3.78	3.92
-35	156.938	163.010	169.301	-5.71	-0.68	0.65	-3.73	3.86
-34	148.346	153.999	159.850	-5.67	-0.67	0.65	-3.67	3.80
-33	140.280	145.543	150.988	-5.63	-0.66	0.64	-3.62	3.74
-32	132.705	137.606	142.674	-5.59	-0.66	0.64	-3.56	3.68
-31	125.587	130.153	134.871	-5.55	-0.65	0.63	-3.51	3.63
-30	118.896	123.151	127.545	-5.51	-0.65	0.63	-3.45	3.57
-29	112.605	116.571	120.664	-5.47	-0.64	0.62	-3.40	3.51
-28	106.687	110.384	114.197	-5.43	-0.64	0.62	-3.35	3.45
-27	101.118	104.565	108.119	-5.40	-0.63	0.61	-3.30	3.40
-26	95.875	99.090	102.403	-5.36	-0.62	0.61	-3.24	3.34
-25	90.937	93.936	97.025	-5.32	-0.62	0.60	-3.19	3.29
-24	86.285	89.084	91.964	-5.29	-0.61	0.59	-3.14	3.23
-23	81.901	84.512	87.199	-5.25	-0.61	0.59	-3.09	3.18
-22	77.767	80.205	82.711	-5.21	-0.60	0.58	-3.04	3.12
-21	73.868	76.144	78.483	-5.18	-0.59	0.58	-2.99	3.07
-20	70.189	72.314	74.497	-5.14	-0.59	0.57	-2.94	3.02
-19	66.716	68.702	70.739	-5.11	-0.58	0.57	-2.89	2.97
-18	63.438	65.292	67.194	-5.07	-0.57	0.56	-2.84	2.91
-17	60.341	62.073	63.849	-5.04	-0.57	0.55	-2.79	2.86
-16	57.415	59.034	60.692	-5.00	-0.56	0.55	-2.74	2.81
-15	54.649	56.162	57.711	-4.97	-0.55	0.54	-2.69	2.76
-14	52.034	53.448	54.894	-4.94	-0.55	0.54	-2.65	2.71
-13	49.560	50.882	52.233	-4.90	-0.54	0.53	-2.60	2.66
-12	47.219	48.455	49.718	-4.87	-0.54	0.52	-2.55	2.61
-11	45.004	46.159	47.339	-4.84	-0.53	0.52	-2.50	2.56
-10	42.906	43.986	45.089	-4.81	-0.52	0.51	-2.46	2.51
-9	40.919	41.930	42.960	-4.77	-0.52	0.50	-2.41	2.46
-8	39.037	39.982	40.945	-4.74	-0.51	0.50	-2.36	2.41
-7	37.253	38.136	39.037	-4.71	-0.50	0.49	-2.32	2.36
-6	35.562	36.388	37.229	-4.68	-0.49	0.49	-2.27	2.31
-5	33.957	34.730	35.517	-4.65	-0.49	0.48	-2.22	2.27
-4	32.435	33.158	33.894	-4.62	-0.48	0.47	-2.18	2.22
-3	30.991	31.667	32.355	-4.59	-0.47	0.47	-2.13	2.17
-2	29.620	30.252	30.895	-4.56	-0.47	0.46	-2.09	2.12
-1	28.318	28.910	29.510	-4.53	-0.46	0.45	-2.05	2.08

0	27.082	27.635	28.196	-4.50	-0.45	0.45	-2.00	2.03
1	25.939	26.457	26.983	-4.34	-0.46	0.45	-1.96	1.99
2	24.850	25.335	25.828	-4.32	-0.45	0.44	-1.92	1.94
3	23.813	24.268	24.729	-4.29	-0.44	0.44	-1.87	1.90
4	22.825	23.251	23.682	-4.27	-0.43	0.43	-1.83	1.86
5	21.883	22.282	22.686	-4.24	-0.43	0.42	-1.79	1.81
6	20.986	21.359	21.737	-4.22	-0.42	0.41	-1.75	1.77
7	20.130	20.479	20.833	-4.19	-0.41	0.41	-1.71	1.73
8	19.313	19.641	19.971	-4.17	-0.40	0.40	-1.67	1.68
9	18.534	18.841	19.150	-4.15	-0.40	0.39	-1.63	1.64
10	17.791	18.078	18.367	-4.12	-0.39	0.38	-1.58	1.60
11	17.082	17.350	17.620	-4.10	-0.38	0.38	-1.54	1.56
12	16.405	16.655	16.908	-4.07	-0.37	0.37	-1.50	1.52
13	15.758	15.992	16.228	-4.05	-0.36	0.36	-1.46	1.48
14	15.141	15.359	15.580	-4.03	-0.36	0.35	-1.42	1.43
15	14.550	14.755	14.960	-4.00	-0.35	0.35	-1.38	1.39
16	13.987	14.177	14.369	-3.98	-0.34	0.34	-1.34	1.35
17	13.448	13.626	13.805	-3.96	-0.33	0.33	-1.31	1.31
18	12.933	13.098	13.265	-3.93	-0.32	0.32	-1.27	1.27
19	12.440	12.595	12.750	-3.91	-0.32	0.31	-1.23	1.23
20	11.969	12.113	12.257	-3.89	-0.31	0.31	-1.19	1.19
21	11.518	11.652	11.787	-3.87	-0.30	0.30	-1.15	1.15
22	11.087	11.211	11.336	-3.84	-0.29	0.29	-1.11	1.12
23	10.674	10.790	10.906	-3.82	-0.28	0.28	-1.08	1.08
24	10.278	10.386	10.494	-3.80	-0.27	0.27	-1.04	1.04
25	9.900	10.000	10.100	-3.78	-0.26	0.26	-1.00	1.00
26	9.530	9.630	9.730	-3.76	-0.28	0.28	-1.04	1.04
27	9.177	9.276	9.376	-3.73	-0.29	0.29	-1.07	1.08
28	8.838	8.937	9.037	-3.71	-0.30	0.30	-1.11	1.11
29	8.513	8.612	8.711	-3.69	-0.31	0.31	-1.15	1.15
30	8.203	8.301	8.400	-3.67	-0.32	0.32	-1.18	1.19
31	7.905	8.003	8.101	-3.65	-0.34	0.33	-1.22	1.23
32	7.620	7.717	7.814	-3.63	-0.35	0.35	-1.26	1.26
33	7.346	7.442	7.539	-3.61	-0.36	0.36	-1.29	1.30
34	7.084	7.179	7.275	-3.59	-0.37	0.37	-1.33	1.34
35	6.833	6.927	7.022	-3.57	-0.38	0.38	-1.36	1.37
36	6.592	6.685	6.779	-3.55	-0.40	0.39	-1.40	1.41
37	6.360	6.453	6.546	-3.53	-0.41	0.41	-1.43	1.44
38	6.139	6.230	6.322	-3.51	-0.42	0.42	-1.47	1.48
39	5.926	6.016	6.107	-3.49	-0.43	0.43	-1.50	1.51
40	5.721	5.810	5.901	-3.47	-0.45	0.44	-1.54	1.55
41	5.525	5.613	5.702	-3.45	-0.46	0.46	-1.57	1.58
42	5.337	5.424	5.511	-3.43	-0.47	0.47	-1.60	1.62
43	5.156	5.241	5.328	-3.41	-0.49	0.48	-1.64	1.65
44	4.982	5.066	5.152	-3.39	-0.50	0.49	-1.67	1.69
45	4.815	4.898	4.982	-3.37	-0.51	0.51	-1.70	1.72
46	4.654	4.736	4.820	-3.35	-0.52	0.52	-1.74	1.76
47	4.500	4.581	4.663	-3.33	-0.54	0.53	-1.77	1.79
48	4.351	4.431	4.512	-3.31	-0.55	0.54	-1.80	1.83
49	4.209	4.287	4.367	-3.29	-0.56	0.56	-1.83	1.86
50	4.071	4.149	4.227	-3.27	-0.58	0.57	-1.87	1.89
51	3.949	4.026	4.103	-3.01	-0.64	0.63	-1.90	1.92
52	3.831	3.906	3.982	-3.02	-0.65	0.64	-1.93	1.95

53	3.716	3.790	3.865	-3.02	-0.66	0.65	-1.96	1.98
54	3.604	3.677	3.751	-3.02	-0.67	0.66	-1.99	2.02
55	3.496	3.568	3.641	-3.02	-0.68	0.67	-2.02	2.05
56	3.390	3.461	3.533	-3.03	-0.69	0.68	-2.04	2.08
57	3.288	3.358	3.429	-3.03	-0.70	0.69	-2.07	2.11
58	3.189	3.258	3.328	-3.03	-0.71	0.69	-2.10	2.14
59	3.093	3.161	3.229	-3.03	-0.72	0.70	-2.13	2.17
60	3.000	3.066	3.134	-3.03	-0.73	0.71	-2.16	2.20
61	2.910	2.975	3.041	-3.03	-0.74	0.72	-2.19	2.23
62	2.822	2.886	2.952	-3.03	-0.75	0.73	-2.22	2.26
63	2.737	2.800	2.864	-3.03	-0.76	0.74	-2.25	2.29
64	2.655	2.717	2.780	-3.03	-0.77	0.75	-2.28	2.32
65	2.575	2.636	2.698	-3.03	-0.78	0.76	-2.31	2.36
66	2.497	2.557	2.618	-3.02	-0.79	0.77	-2.34	2.39
67	2.422	2.481	2.541	-3.02	-0.80	0.78	-2.37	2.42
68	2.349	2.407	2.466	-3.02	-0.81	0.79	-2.40	2.45
69	2.279	2.336	2.393	-3.02	-0.82	0.81	-2.43	2.48
70	2.210	2.266	2.323	-3.01	-0.83	0.82	-2.46	2.51
71	2.144	2.199	2.255	-3.01	-0.84	0.83	-2.49	2.54
72	2.080	2.134	2.189	-3.01	-0.86	0.84	-2.52	2.57
73	2.018	2.071	2.125	-3.00	-0.87	0.85	-2.55	2.60
74	1.958	2.010	2.062	-3.00	-0.88	0.86	-2.58	2.63
75	1.899	1.950	2.002	-2.99	-0.89	0.87	-2.61	2.66
76	1.843	1.893	1.944	-2.98	-0.90	0.88	-2.63	2.70
77	1.788	1.837	1.887	-2.98	-0.92	0.89	-2.66	2.73
78	1.735	1.783	1.833	-2.97	-0.93	0.91	-2.69	2.76
79	1.684	1.731	1.780	-2.96	-0.94	0.92	-2.72	2.79
80	1.635	1.681	1.728	-2.96	-0.95	0.93	-2.75	2.82
81	1.587	1.632	1.678	-2.95	-0.97	0.94	-2.78	2.85
82	1.540	1.585	1.630	-2.94	-0.98	0.95	-2.81	2.88
83	1.495	1.539	1.583	-2.93	-0.99	0.97	-2.84	2.91
84	1.452	1.494	1.538	-2.92	-1.01	0.98	-2.86	2.94
85	1.409	1.451	1.494	-2.91	-1.02	0.99	-2.89	2.97
86	1.369	1.410	1.452	-2.90	-1.03	1.01	-2.92	3.00
87	1.329	1.370	1.411	-2.89	-1.05	1.02	-2.95	3.03
88	1.291	1.331	1.371	-2.88	-1.06	1.03	-2.98	3.06
89	1.254	1.293	1.333	-2.87	-1.08	1.05	-3.00	3.09
90	1.218	1.256	1.296	-2.86	-1.09	1.06	-3.03	3.12
91	1.184	1.221	1.259	-2.84	-1.11	1.08	-3.06	3.15
92	1.150	1.187	1.225	-2.83	-1.12	1.09	-3.09	3.18
93	1.118	1.154	1.191	-2.82	-1.14	1.10	-3.12	3.20
94	1.087	1.122	1.158	-2.81	-1.15	1.12	-3.14	3.23
95	1.056	1.091	1.126	-2.79	-1.17	1.13	-3.17	3.26
96	1.027	1.061	1.096	-2.78	-1.18	1.15	-3.20	3.29
97	0.999	1.032	1.066	-2.76	-1.20	1.17	-3.22	3.32
98	0.971	1.004	1.037	-2.75	-1.22	1.18	-3.25	3.35
99	0.945	0.977	1.010	-2.73	-1.23	1.20	-3.28	3.38
100	0.919	0.950	0.983	-2.72	-1.25	1.21	-3.30	3.41
101	0.886	0.916	0.948	-3.64	-0.94	0.92	-3.34	3.44
102	0.854	0.884	0.914	-3.61	-0.96	0.93	-3.37	3.48
103	0.823	0.852	0.882	-3.57	-0.99	0.95	-3.41	3.52
104	0.794	0.823	0.852	-3.53	-1.01	0.98	-3.44	3.55
105	0.767	0.794	0.823	-3.48	-1.03	1.00	-3.48	3.59

106	0.740	0.767	0.795	-3.43	-1.06	1.02	-3.51	3.63
107	0.715	0.742	0.769	-3.38	-1.08	1.05	-3.54	3.66
108	0.692	0.717	0.744	-3.32	-1.11	1.08	-3.57	3.70
109	0.669	0.694	0.720	-3.26	-1.14	1.10	-3.61	3.73
110	0.648	0.672	0.697	-3.21	-1.17	1.13	-3.64	3.76
111	0.627	0.651	0.676	-3.15	-1.21	1.17	-3.67	3.80
112	0.608	0.631	0.655	-3.09	-1.24	1.20	-3.70	3.83
113	0.589	0.612	0.636	-3.03	-1.28	1.23	-3.73	3.86
114	0.572	0.594	0.617	-2.97	-1.31	1.27	-3.76	3.89
115	0.555	0.577	0.599	-2.91	-1.35	1.30	-3.78	3.92
116	0.539	0.560	0.583	-2.85	-1.39	1.34	-3.81	3.95
117	0.524	0.545	0.566	-2.79	-1.43	1.38	-3.84	3.98
118	0.509	0.530	0.551	-2.73	-1.47	1.42	-3.87	4.01
119	0.496	0.516	0.537	-2.67	-1.51	1.46	-3.89	4.04
120	0.483	0.502	0.523	-2.62	-1.55	1.50	-3.92	4.07
121	0.470	0.490	0.510	-2.56	-1.60	1.54	-3.94	4.09
122	0.458	0.477	0.497	-2.51	-1.64	1.58	-3.97	4.12
123	0.447	0.466	0.485	-2.46	-1.69	1.62	-3.99	4.15
124	0.436	0.454	0.473	-2.41	-1.73	1.67	-4.01	4.17
125	0.426	0.444	0.462	-2.36	-1.78	1.71	-4.04	4.20
126	0.416	0.433	0.452	-2.31	-1.83	1.76	-4.06	4.22
127	0.406	0.424	0.442	-2.26	-1.88	1.80	-4.08	4.24
128	0.397	0.414	0.432	-2.22	-1.92	1.85	-4.10	4.27
129	0.389	0.405	0.423	-2.17	-1.97	1.90	-4.12	4.29
130	0.380	0.397	0.414	-2.13	-2.02	1.95	-4.14	4.31
131	0.372	0.388	0.405	-2.09	-2.08	1.99	-4.16	4.33
132	0.364	0.380	0.397	-2.05	-2.13	2.04	-4.18	4.36
133	0.357	0.373	0.389	-2.01	-2.18	2.09	-4.20	4.38
134	0.350	0.365	0.381	-1.97	-2.23	2.14	-4.22	4.40
135	0.343	0.358	0.374	-1.93	-2.29	2.19	-4.24	4.42
136	0.337	0.352	0.367	-1.90	-2.34	2.25	-4.26	4.44
137	0.330	0.345	0.360	-1.86	-2.39	2.30	-4.28	4.46
138	0.324	0.339	0.354	-1.83	-2.45	2.35	-4.30	4.48
139	0.318	0.333	0.348	-1.80	-2.50	2.40	-4.31	4.50
140	0.313	0.327	0.341	-1.76	-2.56	2.46	-4.33	4.52
141	0.307	0.321	0.336	-1.73	-2.62	2.51	-4.35	4.53
142	0.302	0.316	0.330	-1.70	-2.67	2.56	-4.36	4.55
143	0.297	0.310	0.325	-1.67	-2.73	2.62	-4.38	4.57
144	0.292	0.305	0.319	-1.64	-2.79	2.67	-4.39	4.59
145	0.287	0.300	0.314	-1.62	-2.85	2.73	-4.41	4.60
146	0.282	0.296	0.309	-1.59	-2.91	2.78	-4.43	4.62
147	0.278	0.291	0.304	-1.56	-2.96	2.84	-4.44	4.64
148	0.274	0.286	0.300	-1.54	-3.02	2.90	-4.46	4.65
149	0.269	0.282	0.295	-1.51	-3.08	2.95	-4.47	4.67
150	0.265	0.278	0.291	-1.49	-3.14	3.01	-4.48	4.68
151	0.259	0.272	0.284	-2.27	-2.07	1.99	-4.51	4.71
152	0.254	0.266	0.278	-2.26	-2.09	2.00	-4.53	4.73
153	0.248	0.260	0.272	-2.25	-2.11	2.02	-4.55	4.76
154	0.242	0.254	0.266	-2.24	-2.14	2.04	-4.57	4.78
155	0.237	0.248	0.260	-2.23	-2.16	2.06	-4.59	4.80
156	0.232	0.243	0.255	-2.22	-2.18	2.08	-4.61	4.83
157	0.226	0.237	0.249	-2.21	-2.20	2.10	-4.63	4.85
158	0.221	0.232	0.244	-2.20	-2.22	2.12	-4.66	4.87

159	0.217	0.227	0.238	-2.19	-2.24	2.14	-4.68	4.90
160	0.212	0.222	0.233	-2.18	-2.26	2.16	-4.70	4.92
161	0.207	0.218	0.228	-2.17	-2.28	2.18	-4.72	4.94
162	0.203	0.213	0.224	-2.16	-2.30	2.20	-4.74	4.96
163	0.198	0.208	0.219	-2.15	-2.32	2.22	-4.76	4.99
164	0.194	0.204	0.214	-2.14	-2.34	2.24	-4.78	5.01
165	0.190	0.200	0.210	-2.13	-2.37	2.26	-4.80	5.03
166	0.186	0.195	0.205	-2.12	-2.39	2.28	-4.82	5.05
167	0.182	0.191	0.201	-2.11	-2.41	2.30	-4.84	5.08
168	0.178	0.187	0.197	-2.10	-2.43	2.32	-4.86	5.10
169	0.175	0.184	0.193	-2.09	-2.45	2.34	-4.88	5.12
170	0.171	0.180	0.189	-2.08	-2.47	2.36	-4.90	5.14
171	0.167	0.176	0.185	-2.07	-2.49	2.38	-4.92	5.16
172	0.164	0.172	0.181	-2.06	-2.52	2.40	-4.94	5.19
173	0.161	0.169	0.178	-2.05	-2.54	2.42	-4.96	5.21
174	0.157	0.166	0.174	-2.04	-2.56	2.44	-4.98	5.23
175	0.154	0.162	0.171	-2.03	-2.58	2.46	-5.00	5.25
176	0.151	0.159	0.167	-2.02	-2.60	2.48	-5.02	5.27
177	0.148	0.156	0.164	-2.01	-2.63	2.50	-5.04	5.29
178	0.145	0.153	0.161	-2.01	-2.65	2.52	-5.05	5.31
179	0.142	0.150	0.158	-2.00	-2.67	2.54	-5.07	5.33
180	0.139	0.147	0.155	-1.99	-2.69	2.56	-5.09	5.36
181	0.136	0.144	0.152	-1.98	-2.72	2.58	-5.11	5.38
182	0.134	0.141	0.149	-1.97	-2.74	2.60	-5.13	5.40
183	0.131	0.138	0.146	-1.96	-2.76	2.62	-5.15	5.42
184	0.129	0.136	0.143	-1.95	-2.78	2.65	-5.17	5.44
185	0.126	0.133	0.140	-1.94	-2.81	2.67	-5.19	5.46
186	0.124	0.130	0.138	-1.94	-2.83	2.69	-5.20	5.48
187	0.121	0.128	0.135	-1.93	-2.85	2.71	-5.22	5.50
188	0.119	0.125	0.132	-1.92	-2.88	2.73	-5.24	5.52
189	0.117	0.123	0.130	-1.91	-2.90	2.75	-5.26	5.54
190	0.114	0.121	0.127	-1.90	-2.92	2.77	-5.28	5.56
191	0.112	0.118	0.125	-1.89	-2.95	2.79	-5.30	5.58
192	0.110	0.116	0.123	-1.89	-2.97	2.82	-5.31	5.60
193	0.108	0.114	0.121	-1.88	-2.99	2.84	-5.33	5.62
194	0.106	0.112	0.118	-1.87	-3.02	2.86	-5.35	5.64
195	0.104	0.110	0.116	-1.86	-3.04	2.88	-5.37	5.66
196	0.102	0.108	0.114	-1.85	-3.06	2.90	-5.38	5.68
197	0.100	0.106	0.112	-1.85	-3.09	2.93	-5.40	5.70
198	0.098	0.104	0.110	-1.84	-3.11	2.95	-5.42	5.72
199	0.097	0.102	0.108	-1.83	-3.13	2.97	-5.44	5.74
200	0.095	0.100	0.106	-1.82	-3.16	2.99	-5.45	5.76