

Sensor characteristics – Table of sensor values

Temperature °C	PT 100		PT 1000		NI 1000		NI 1000 TK 5000		LM 235 Z	
	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	mV	mV
-50	80.30	803.00	742.55	790.88	790.88	2232.00				
-45	82.30	823.00	766.76	810.75	810.75	2332.00				
-40	84.30	843.00	791.31	830.84	830.84					
-35	86.20	862.00	816.21	851.15	851.15					
-30	88.20	882.00	841.46	871.69	871.69					
-25	90.20	902.00	867.04	892.47	892.47					
-20	92.20	922.00	892.96	913.48	913.48					
-15	94.10	941.00	919.22	934.74	934.74					
-10	96.10	961.00	945.82	956.24	956.24					
-5	98.00	980.00	972.74	977.99	977.99					
0	100.00	1000.00	1000.00	1000.00	1000.00					
5	102.00	1020.00	1027.59	1022.26	1022.26					
10	103.90	1039.00	1055.52	1044.79	1044.79					
15	105.80	1058.00	1083.77	1067.59	1067.59					
20	107.80	1078.00	1112.36	1090.65	1090.65					
25	109.70	1097.00	1141.29	1113.99	1113.99					
30	111.70	1117.00	1170.56	1137.62	1137.62					
35	113.60	1136.00	1200.16	1161.52	1161.52					
40	115.50	1155.00	1230.11	1185.71	1185.71					
45	117.50	1175.00	1260.41	1210.20	1210.20					
50	119.40	1194.00	1291.05	1234.98	1234.98					
55	121.30	1213.00	1322.05	1260.06	1260.06					
60	123.20	1232.00	1353.40	1285.45	1285.45					
65	125.50	1252.00	1385.12	1311.14	1311.14					
70	127.10	1271.00	1417.21	1337.15	1337.15					
75	129.00	1290.00	1449.67	1363.47	1363.47					
80	130.90	1309.00	1482.50	1390.12	1390.12					
85	132.80	1328.00	1515.73	1417.09	1417.09					
90	134.70	1347.00	1549.34	1444.39	1444.39					
95	136.60	1366.00	1583.36	1472.03	1472.03					
100	138.50	1385.00	1617.79	1500.00	1500.00					
105	140.40	1404.00	1652.62	1528.32	1528.32					
110	142.30	1423.00	1687.89	1556.98	1556.98					
115	144.20	1442.00	1723.58	1586.00	1586.00					
120	146.10	1461.00	1759.72	1615.37	1615.37					
125	148.00	1480.00	1796.30	1645.10	1645.10					
130	149.80	1498.00	1833.35	1675.19	1675.19					
140	153.60	1536.00	1908.87	1736.48	1736.48					
150	157.30	1573.00	1986.35	1799.27	1799.27					



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Temperature	Sensor 0 NTC-2K25	Sensor 1 NTC 1K0	Sensor 2 NTC 47K	Sensor 3 NTC 8K	Sensor 4 NTC 10K	Sensor 5 NTC 50K	Sensor 6 NTC 100K	Sensor 8 NTC-2K	Sensor 51 KTY 81-121	Sensor 57 KTY 111-7
°C	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω
-50	151398	32540	3152409	537827	672283	2820844	8276704	77977	510	1051
-45	106557	24432	2230085	378534	473168	2027885	5751387	57655	535	1103
-40	75923	18515	1595524	269709	337137	1473182	4044707	43039	562	1156
-35	54731	14156	1153886	194427	243033	1080969	2877133	32427	589	1212
-30	39895	10916	843120	141724	177155	800794	2069021	24651	617	1269
-25	29390	8486	622133	104107	130508	598684	1503450	18902	647	1328
-20	21871	6648	463401	77696	97120	451517	1103398	14615	677	1390
-15	16434	5248	348285	58379	72973	343390	817535	11391	708	1453
-10	12482	4172	264028	44269	55337	263262	611269	8947	740	1518
-5	9533	3340	201812	33866	42333	203390	461045	7079	773	1586
0	7355	2691	155480	26126	32658	158300	350656	5642	807	1655
5	5719	2182	120696	20318	25397	124082	268840	4527	842	1726
10	4482	1780	94377	15923	19903	97925	207702	3657	877	1799
15	3539	1460	74314	12570	15713	77789	161654	2973	914	1874
20	2813	1205	58910	9994	12492	62184	126708	2431	951	1951
25	2252	1000	47000	8000	10000	50000	100000	2000	990	2030
30	1814	834	37732	6445	8056	40455	79428	1654	1029	2111
35	1471	699	30472	5224	6530	32910	63489	1376	1070	2194
40	1199	588	24750	4260	5325	26916	51056	1151	1111	2279
45	984	498	20214	3494	4368	22129	41297	967	1153	2366
50	811	423	16597	2882	3602	18285	33591	816	1196	2456
55	673	361	13697	2389	2986	15182	27470	693	1241	2545
60	560	309	11360	1991	2488	12664	22582	590	1286	2638
65	469	266	9466	1667	2084	10612	18656	505	1331	2733
70	395	230	7925	1402	1753	8931	15478	434	1378	2829
75	334	199	6664	1185	1481	7547	12917	374	1426	2928
80	283	173	5627	1006	1258	6404	10821	324	1475	3029
85	241	151	4771	857	1072	5456	9105	282	1525	3131
90	207	133	4062	734	917	4665	7693	246	1575	3236
95	177	117	3471	631	788	4004	6527	215	1627	3342
100	153	103	2978	544	680	3448	5559	189	1679	3451
105	132	91	2563	471	588	2980	4752	167	1732	3561
110	115	81	2215	409	511	2584	4077	147	1786	3674
115	100	72	1919	356	445	2248	3511	130	1841	3788
120	88	64	1669	12	389	1962	3033	116	1896	3905
125	77	57	1456	273	342	1717	2629	103	1950	4023
130	68	51	1274	240	301	1507	2287	91	2003	4143
140	53	41	984	188	235	1171	1745	73	2103	4390
150	42	34	769	148	185	920	1348	60	2189	4644