

PT100 sensor

Table resistance values (Ω) depending on the temperature ($^{\circ}\text{C}$)

$^{\circ}\text{C}$	0	1	2	3	4	5	6	7	8	9	$^{\circ}\text{C}$	
-200	18.4932											-200
-190	22.8031	22.3737	21.9439	21.5139	21.0834	20.6526	20.2215	19.7899	19.3580	18.9258		-190
-180	27.0779	26.6520	26.2257	25.7990	25.3720	24.9447	24.5171	24.0891	23.6608	23.2321		-180
-170	31.3200	30.8972	30.4741	30.0507	29.6270	29.2029	28.7786	28.3539	27.9289	27.5036		-170
-160	35.5313	35.1115	34.6914	34.2710	33.8503	33.4294	33.0081	32.5865	32.1646	31.7425		-160
-150	39.7137	39.2967	38.8794	38.4619	38.0440	37.6260	37.2076	36.7889	36.3700	35.9508		-150
-140	43.8691	43.4547	43.0401	42.6252	42.2101	41.7946	41.3790	40.9631	40.5469	40.1304		-140
-130	47.9993	47.5873	47.1752	46.7628	46.3501	45.9372	45.5241	45.1107	44.6971	44.2832		-130
-120	52.1058	51.6962	51.2863	50.8762	50.4659	50.0554	49.6446	49.2336	48.8224	48.4109		-120
-110	56.1903	55.7828	55.3751	54.9672	54.5591	54.1507	53.7422	53.3334	52.9244	52.5152		-110
-100	60.2541	59.8486	59.4429	59.0371	58.6310	58.2247	57.8182	57.4115	57.0047	56.5976		-100
-90	64.2987	63.8950	63.4912	63.0873	62.6831	62.2787	61.8742	61.4695	61.0645	60.6594		-90
-80	68.3251	67.9233	67.5212	67.1190	66.7166	66.3141	65.9114	65.5084	65.1054	64.7021		-80
-70	72.3346	71.9344	71.5340	71.1335	70.7328	70.3319	69.9309	69.5297	69.1284	68.7268		-70
-60	76.3282	75.9296	75.5307	75.1318	74.7326	74.3334	73.9339	73.5343	73.1346	72.7347		-60
-50	80.3068	79.9096	79.5123	79.1148	78.7171	78.3194	77.9214	77.5234	77.1251	76.7268		-50
-40	84.2713	83.8754	83.4795	83.0834	82.6871	82.2908	81.8943	81.4976	81.1008	80.7039		-40
-30	88.2222	87.8277	87.4331	87.0383	86.6434	86.2484	85.8532	85.4579	85.0625	84.6669		-30
-20	92.1603	91.7671	91.3737	90.9802	90.5866	90.1929	89.7990	89.4050	89.0109	88.6166		-20
-10	96.0861	95.6941	95.3019	94.9097	94.5173	94.1247	93.7321	93.3394	92.9465	92.5535		-10
0	100.0000	99.6091	99.2182	98.8271	98.4359	98.0445	97.6531	97.2615	96.8698	96.4780		0
0	100.0000	100.3907	100.7814	101.1719	101.5623	101.9526	102.3427	102.7328	103.1227	103.5125		0
10	103.9022	104.2918	104.6813	105.0706	105.4599	105.8490	106.2380	106.6269	107.0156	107.4043		10
20	107.7928	108.1813	108.5696	108.9578	109.3458	109.7338	110.1216	110.5094	110.8970	111.2845		20
30	111.6718	112.0591	112.4463	112.8333	113.2202	113.6070	113.9937	114.3802	114.7667	115.1530		30
40	115.5392	115.9254	116.3113	116.6972	117.0830	117.4686	117.8541	118.2395	118.6248	119.0100		40
50	119.3951	119.7800	120.1648	120.5495	120.9341	121.3186	121.7030	122.0872	122.4713	122.8554		50
60	123.2392	123.6230	124.0067	124.3902	124.7737	125.1570	125.5402	125.9233	126.3063	126.6891		60
70	127.0718	127.4545	127.8370	128.2194	128.6016	128.9838	129.3658	129.7478	130.1296	130.5113		70
80	130.8928	131.2743	131.6556	132.0369	132.4180	132.7990	133.1799	133.5606	133.9413	134.3218		80
90	134.7022	135.0825	135.4627	135.8428	136.2227	136.6026	136.9823	137.3619	137.7414	138.1207		90
100	138.5000	138.8791	139.2582	139.6371	140.0159	140.3945	140.7731	141.1515	141.5299	141.9081		100
110	142.2862	142.6642	143.0420	143.4198	143.7974	144.1749	144.5523	144.9296	145.3068	145.6838		110
120	146.0608	146.4376	146.8143	147.1909	147.5673	147.9437	148.3199	148.6960	149.0721	149.4479		120
130	149.8237	150.1994	150.5749	150.9504	151.3257	151.7009	152.0759	152.4509	152.8257	153.2005		130
140	153.5751	153.9496	154.3240	154.6982	155.0724	155.4464	155.8203	156.1941	156.5678	156.9414		140
150	157.3149	157.6882	158.0614	158.4345	158.8075	159.1804	159.5531	159.9258	160.2983	160.6707		150
160	161.0430	161.4152	161.7872	162.1592	162.5310	162.9027	163.2743	163.6458	164.0172	164.3884		160
170	164.7596	165.1306	165.5015	165.8723	166.2429	166.6135	166.9839	167.3542	167.7245	168.0945		170
180	168.4645	168.8344	169.2041	169.5737	169.9432	170.3126	170.6819	171.0511	171.4201	171.7890		180
190	172.1579	172.5266	172.8951	173.2636	173.6319	174.0002	174.3683	174.7363	175.1042	175.4719		190
200	175.8396	176.2071	176.5746	176.9419	177.3090	177.6761	178.0431	178.4099	178.7766	179.1432		200
210	179.5097	179.8761	180.2424	180.6085	180.9745	181.3405	181.7063	182.0719	182.4375	182.8029		210
220	183.1683	183.5335	183.8986	184.2636	184.6284	184.9932	185.3578	185.7223	186.0867	186.4510		220
230	186.8152	187.1793	187.5432	187.9070	188.2707	188.6343	188.9978	189.3611	189.7244	190.0875		230
240	190.4505	190.8134	191.1762	191.5389	191.9014	192.2638	192.6262	192.9884	193.3504	193.7124		240
250	194.0743	194.4360	194.7976	195.1591	195.5205	195.8818	196.2429	196.6040	196.9649	197.3257		250
260	197.6864	198.0469	198.4074	198.7677	199.1280	199.4881	199.8481	200.2079	200.5677	200.9274		260
270	201.2869	201.6463	202.0056	202.3648	202.7238	203.0828	203.4416	203.8003	204.1589	204.5174		270
280	204.8758	205.2340	205.5922	205.9502	206.3081	206.6659	207.0236	207.3811	207.7386	208.0959		280
290	208.4531	208.8102	209.1672	209.5240	209.8808	210.2374	210.5939	210.9503	211.3066	211.6628		290
300	212.0188	212.3747	212.7305	213.0862	213.4418	213.7973	214.1527	214.5079	214.8630	215.2180		300
310	215.5729	215.9277	216.2823	216.6369	216.9913	217.3456	217.6998	218.0539	218.4078	218.7617		310
320	219.1154	219.4690	219.8225	220.1759	220.5291	220.8823	221.2353	221.5882	221.9410	222.2937		320
330	222.6463	222.9987	223.3511	223.7033	224.0554	224.4074	224.7592	225.1110	225.4626	225.8142		330
340	226.1656	226.5169	226.8680	227.2191	227.5700	227.9209	228.2716	228.6222	228.9726	229.3230		340
350	229.6733	230.0234	230.3734	230.7233	231.0731	231.4227	231.7723	232.1217	232.4710	232.8202		350

