

Widerstandstabelle Pt-Widerstandsthermometer Pt100 Pt500 Pt1000

TK Ohm/K: Dimension Temp. °C	Toleranz in Kelvin					Widerstandswerte:											
	K1.A +/-K	K1.B +/-K	K1.AA 1/3 DIN B		1/10 DIN B +/-K	Pt100		Pt500			Pt1000						
			+/-K	+/-K		EN6075 R Ohm	TK eff	ITS90 R Ohm	US R Ohm	EN60751 R Ohm	TK eff	US R Ohm	EN60751 R Ohm	TK eff			
-250°		1.55				2.510											
-200°	0.55	1.30				18.493	0.443	18.520	17.50	92.470	2.215	85.27	184.94	4.43			
-150°	0.45	1.05				39.714	0.417	39.723		198.570	2.085		397.14	4.17			
-120°	0.39	0.90				52.110	0.410	52.110	51.28	256.400	2.050	256.40	512.80	4.10			
-100°	0.35	0.80				60.256	0.405	60.254	59.57	301.270	2.025	297.85	602.54	4.05			
-50°	0.25	0.55	0.18	0.11	0.06	80.307	0.397	80.306		401.535	1.985		803.07	3.97			
-40°	0.23	0.50	0.17	0.10	0.05	84.710	0.396	84.710	84.00	420.010	1.980	420.00	840.02	3.96			
-30°	0.21	0.45	0.15	0.09	0.05	88.222	0.395	88.222		435.480	1.975		870.96	3.95			
-25°	0.20	0.43	0.14	0.09	0.04	90.190	0.393	90.190		450.950	1.965		901.90	3.93			
-20°	0.19	0.40	0.13	0.08	0.04	92.160	0.393	92.160	92.03	460.800	1.965	460.13	921.60	3.93			
-15°	0.18	0.38	0.13	0.08	0.04	94.120	0.393	94.120		470.600	1.965		941.20	3.93			
-10°	0.17	0.35	0.12	0.07	0.04	96.086	0.392	96.086		480.430	1.960		960.86	3.92			
-5°	0.16	0.33	0.11	0.07	0.03	98.046	0.392	98.046		490.230	1.960		980.46	3.92			
0°	0.15	0.30	0.10	0.06	0.03	100.000	0.391	100.000	100.00	500.000	1.955	500.00	1000.00	3.91			
5°	0.16	0.33	0.11	0.07	0.03	101.950	0.390	101.950		509.750	1.950		1019.50	3.90			
10°	0.17	0.35	0.12	0.07	0.04	103.902	0.390	103.903		519.510	1.950		1039.02	3.90			
15°	0.18	0.38	0.13	0.08	0.04	105.850	0.390	105.851		529.250	1.950		1058.50	3.90			
20°	0.19	0.40	0.13	0.08	0.04	107.793	0.388	107.794	107.93	538.965	1.940	539.63	1077.93	3.88			
25°	0.20	0.43	0.14	0.09	0.04	109.730	0.388	109.731		548.650	1.940		1097.30	3.88			
30°	0.21	0.45	0.15	0.09	0.05	111.672	0.387	111.673		558.360	1.935		1116.72	3.87			
35°	0.22	0.48	0.16	0.10	0.05	113.610	0.387	113.611		568.050	1.935		1136.10	3.87			
40°	0.23	0.50	0.17	0.10	0.05	115.539	0.386	115.541	115.81	577.695	1.930	579.03	1155.39	3.86			
45°	0.24	0.53	0.18	0.11	0.05	117.470	0.386	117.472		587.350	1.930		1174.70	3.86			
50°	0.25	0.55	0.18	0.11	0.06	119.395	0.385	119.397		596.975	1.925		1193.95	3.85			
60°	0.27	0.60	0.20	0.12	0.06	123.239	0.384	123.242	123.64	616.195	1.920	618.19	1232.39	3.84			
70°	0.29	0.65	0.22	0.13	0.07	127.072	0.383	127.075		635.360	1.915		1270.72	3.83			
75°	0.30	0.68	0.23	0.14	0.07	128.980	0.382	128.990		644.900	1.910		1289.80	3.82			
80°	0.31	0.70	0.23	0.14	0.07	130.893	0.381	130.897	131.42	654.465	1.905	657.11	1308.93	3.81			
90°	0.33	0.75	0.25	0.15	0.08	134.702	0.380	134.707		673.510	1.900		1347.02	3.80			
95°	0.34	0.78	0.26	0.16	0.08	136.600	0.380	136.610		683.000	1.900		1366.00	3.80			
100°	0.35	0.80	0.27	0.16	0.08	138.500	0.379	138.506	139.16	692.500	1.895	695.80	1385.00	3.79			
110°	0.37	0.85	0.28	0.17	0.09	142.286	0.378	142.293		711.430	1.890		1422.86	3.78			
120°	0.39	0.90	0.30	0.18	0.09	146.061	0.377	146.068	146.85	730.305	1.885	734.25	1460.61	3.77			
130°	0.41	0.95	0.32	0.19	0.10	149.824	0.376	149.832		749.120	1.880		1498.24	3.76			
140°	0.43	1.00	0.33	0.20	0.10	153.575	0.374	153.584	154.49	767.875	1.870	772.47	1535.75	3.74			
150°	0.45	1.05	0.35	0.21	0.11	157.315	0.373	157.325		786.575	1.865		1573.15	3.73			
160°	0.47	1.10	0.37	0.22	0.11	161.043	0.372	161.054	162.09	805.215	1.860	810.45	1610.43	3.72			
170°	0.49	1.15	0.38	0.23	0.12	164.760	0.371	164.772		823.800	1.855		1647.60	3.71			
180°	0.51	1.20	0.40	0.24	0.12	168.465	0.370	168.478	169.64	842.325	1.850	848.19	1684.65	3.70			
190°	0.53	1.25	0.42	0.25	0.13	172.158	0.369	172.173		860.790	1.845		1721.58	3.69			
200°	0.55	1.30	0.43	0.26	0.13	175.840	0.368	175.856	177.14	879.200	1.840	885.70	1758.4	3.68			
220°	0.59	1.40	0.47	0.28	0.14	183.168	0.365	183.188	184.60	915.840	1.825	922.98	1831.68	3.65			
240°	0.63	1.50	0.50	0.30	0.15	190.451	0.363	190.473	192.00	952.255	1.815	960.01	1904.51	3.63			
250°	0.65	1.55	0.52	0.31	0.16	194.074	0.362	194.098		970.370	1.810		1940.74	3.62			
260°	0.67	1.60	0.53	0.32	0.16	197.686	0.361	197.712	199.36	988.430	1.805	996.81	1976.86	3.61			
280°	0.71	1.70	0.57	0.34	0.17	204.876	0.358	204.905	206.68	1024.380	1.790	1033.38	2048.76	3.58			
300°	0.75	1.80	0.60	0.36	0.18	212.019	0.356	212.052	213.94	1060.095	1.780	1069.71	2120.19	3.56			



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	Kl.A	Kl.B	Kl.AA			Pt100		Pt500			Pt1000			
			1/3 DIN B	1/5 DIN B	1/10 DIN B	EN60751	TK	ITS90	US	EN60751	TK	US	EN60751	TK
	+/-K	+/-K	+/-K	+/-K	+/-K	0.3850	eff	R Ohm	R Ohm	R Ohm	R Ohm	eff	R Ohm	R Ohm
350°	0.85	2.05	0.68	0.41	0.21	229.673	0.350	229.716	0.3916	1148.365	1.750	2296.73	3.50	
400°	0.95	2.30	0.77	0.46	0.23	247.038	0.344	247.092	249.56	1235.190	1.720	1247.82	2470.38	3.44
450°		2.55				264.112	0.339	264.179		1320.560	1.695	2641.12	3.39	
500°		2.80				280.896	0.333	280.978	284.01	1404.480	1.665	1420.03	2808.96	3.33
550°		3.05				297.390	0.327	297.487		1486.950	1.635	2973.9	3.27	
600°		3.30				313.594	0.321	313.708	317.27	1567.970	1.605	1586.34	3135.94	3.21
650°		3.55				329.508	0.315	329.640		1647.540	1.575	3295.08	3.15	
700°		3.80				345.132	0.310	345.284		1725.660	1.550	3451.32	3.10	
750°		4.05				360.465	0.304	360.638		1802.325	1.520	3604.65	3.04	
800°		4.30				375.509	0.298	375.704		1877.545	1.490	3755.09	2.98	
850°		4.55				390.262	0.292	390.481		1951.310	1.460	3902.62	2.92	

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