

Temperature/Resistance Table

Nominal Resistance for Pt 100 Ω Element

Pt100 : $R_0=100.00\Omega$ $R_{100}/R_0=1.3850$ to JIS C 1604-1989, IEC 751, BS 1904, DIN 43760.
 JPt100 : $R_0=100.00\Omega$ $R_{100}/R_0=1.3916$ to JIS C 1604-1981, American Curve.

Std. °C	Pt100		Std. °C	Pt100		Std. °C	Pt100		Std. °C	Pt100		Std. °C	Pt100	
	Pt100	JPt100		Pt100	JPt100		Pt100	JPt100		Pt100	JPt100		Pt100	JPt100
-200	18.49	17.14	0	100.00	100.00	200	175.84	177.13	400	247.04	249.56	600	313.59	
-190	22.80	21.46	10	103.90	103.97	210	179.51	180.86	410	250.48	253.06	610	316.80	
-180	27.08	25.80	20	107.79	107.93	220	183.17	184.58	420	253.90	256.55	620	319.99	
-170	31.32	30.12	30	111.67	111.88	230	186.82	188.29	430	257.32	260.02	630	323.18	
-160	35.53	34.42	40	115.54	115.81	240	190.45	191.99	440	260.72	263.49	640	326.35	
-150	39.71	38.68	50	119.40	119.73	250	194.07	195.67	450	264.11	266.94	650	329.51	
-140	43.87	42.91	60	123.24	123.64	260	197.69	199.35	460	267.49	270.38	660	332.66	
-130	48.00	47.11	70	127.07	127.54	270	201.29	203.01	470	270.86	273.80			
-120	52.11	51.29	80	130.89	131.42	280	204.88	206.66	480	274.22	277.22			
-110	56.19	55.44	90	134.70	135.30	290	208.45	210.30	490	277.56	280.63			
-100	60.25	59.57	100	138.50	139.16	300	212.02	213.93	500	280.90	284.02			
-90	64.30	63.68	110	142.29	143.01	310	215.57	217.54	510	284.22	287.40			
-80	68.33	67.77	120	146.06	146.85	320	219.12	221.15	520	287.53				
-70	72.33	71.85	130	149.82	150.67	330	222.65	224.74	530	290.83				
-60	76.33	75.91	140	153.58	154.49	340	226.17	228.32	540	294.11				
-50	80.31	79.96	150	157.31	158.29	350	229.67	231.89	550	297.39				
-40	84.27	83.99	160	161.04	162.08	360	233.17	235.45	560	300.65				
-30	88.22	88.01	170	164.76	165.86	370	236.65	238.99	570	303.91				
-20	92.16	92.02	180	168.46	169.63	380	240.13	242.53	580	307.15				
-10	96.09	96.02	190	172.16	173.38	390	243.59	246.06	590	310.38				

Tolerances as a Function of Temperature / Resistance for Pt 100 Ω Element

