

Pt°F

TABLE 30 100Ω Platinum RTD — 0.00385 coefficient
temperature in °F

°F	0	1	2	3	4	5	6	7	8	9	10	°F
Resistance in Ohms												
-320	20.44	20.20	19.96	19.72	19.48	19.24	19.00	18.76	18.52			-320
-310	22.83	22.59	22.35	22.11	21.87	21.63	21.39	21.16	20.92	20.68	20.44	-310
-300	25.20	24.97	24.73	24.49	24.25	24.02	23.78	23.54	23.30	23.06	22.83	-300
-290	27.57	27.33	27.10	26.86	26.62	26.39	26.15	25.91	25.68	25.44	25.20	-290
-280	29.93	29.69	29.46	29.22	28.98	28.75	28.51	28.28	28.04	27.81	27.57	-280
-270	32.27	32.04	31.80	31.57	31.34	31.10	30.87	30.63	30.40	30.16	29.93	-270
-260	34.61	34.38	34.14	33.91	33.68	33.44	33.21	32.98	32.74	32.51	32.27	-260
-250	36.94	36.71	36.47	36.24	36.01	35.78	35.54	35.31	35.08	34.84	34.61	-250
-240	39.26	39.03	38.80	38.56	38.33	38.10	37.87	37.64	37.40	37.17	36.94	-240
-230	41.57	41.34	41.11	40.88	40.65	40.42	40.19	39.95	39.72	39.49	39.26	-230
-220	43.88	43.65	43.42	43.19	42.96	42.73	42.49	42.26	42.03	41.80	41.57	-220
-210	46.17	45.94	45.71	45.48	45.26	45.03	44.80	44.57	44.34	44.11	43.88	-210
-200	48.46	48.23	48.00	47.78	47.55	47.32	47.09	46.86	46.63	46.40	46.17	-200
-190	50.74	50.52	50.29	50.06	49.83	49.60	49.38	49.15	48.92	48.69	48.46	-190
-180	53.02	52.79	52.56	52.34	52.11	51.88	51.65	51.43	51.20	50.97	50.74	-180
-170	55.29	55.06	54.83	54.61	54.38	54.15	53.93	53.70	53.47	53.25	53.02	-170
-160	57.55	57.32	57.10	56.87	56.65	56.42	56.19	55.97	55.74	55.51	55.29	-160
-150	59.81	59.58	59.35	59.13	58.90	58.68	58.45	58.23	58.00	57.78	57.55	-150
-140	62.06	61.83	61.61	61.38	61.16	60.93	60.71	60.48	60.26	60.03	59.81	-140
-130	64.30	64.08	63.85	63.63	63.40	63.18	62.95	62.73	62.50	62.28	62.06	-130
-120	66.54	66.31	66.09	65.87	65.64	65.42	65.20	64.97	64.75	64.52	64.30	-120
-110	68.77	68.55	68.33	68.10	67.88	67.66	67.43	67.21	66.99	66.76	66.54	-110
-100	71.00	70.78	70.55	70.33	70.11	69.89	69.66	69.44	69.22	68.99	68.77	-100
-90	73.22	73.00	72.78	72.56	72.33	72.11	71.89	71.67	71.45	71.22	71.00	-90
-80	75.44	75.22	75.00	74.78	74.55	74.33	74.11	73.89	73.67	73.45	73.22	-80
-70	77.66	77.43	77.21	76.99	76.77	76.55	76.33	76.11	75.88	75.66	75.44	-70
-60	79.86	79.64	79.42	79.20	78.98	78.76	78.54	78.32	78.10	77.88	77.66	-60
-50	82.07	81.85	81.63	81.41	81.19	80.97	80.75	80.53	80.31	80.09	79.86	-50
-40	84.27	84.05	83.83	83.61	83.39	83.17	82.95	82.73	82.51	82.29	82.07	-40
-30	86.47	86.25	86.03	85.81	85.59	85.37	85.15	84.93	84.71	84.49	84.27	-30
-20	88.66	88.44	88.22	88.00	87.78	87.56	87.34	87.13	86.91	86.69	86.47	-20
-10	90.85	90.63	90.41	90.19	89.97	89.75	89.54	89.32	89.10	88.88	88.66	-10
0	93.03	92.82	92.60	92.38	92.16	91.94	91.72	91.50	91.29	91.07	90.85	0
0	93.03	93.25	93.47	93.69	93.91	94.12	94.34	94.56	94.78	95.00	95.21	0
10	95.21	95.43	95.65	95.87	96.09	96.30	96.52	96.74	96.96	97.17	97.39	10
20	97.39	97.61	97.83	98.04	98.26	98.48	98.70	98.91	99.13	99.35	99.57	20
30	99.57	99.78	100.00	100.22	100.43	100.65	100.87	101.09	101.30	101.52	101.74	30
40	101.74	101.95	102.17	102.39	102.60	102.82	103.04	103.25	103.47	103.69	103.90	40
50	103.90	104.12	104.34	104.55	104.77	104.98	105.20	105.42	105.63	105.85	106.07	50
60	106.07	106.28	106.50	106.71	106.93	107.15	107.36	107.58	107.79	108.01	108.23	60
70	108.23	108.44	108.66	108.87	109.09	109.30	109.52	109.73	109.95	110.17	110.38	70
80	110.38	110.60	110.81	111.03	111.24	111.46	111.67	111.89	112.10	112.32	112.53	80
90	112.53	112.75	112.96	113.18	113.39	113.61	113.82	114.04	114.25	114.47	114.68	90
100	114.68	114.90	115.11	115.33	115.54	115.76	115.97	116.18	116.40	116.61	116.83	100
110	116.83	117.04	117.26	117.47	117.68	117.90	118.11	118.33	118.54	118.76	118.97	110
120	118.97	119.18	119.40	119.61	119.82	120.04	120.25	120.47	120.68	120.89	121.11	120
130	121.11	121.32	121.53	121.75	121.96	122.18	122.39	122.60	122.82	123.03	123.24	130
140	123.24	123.46	123.67	123.88	124.09	124.31	124.52	124.73	124.95	125.16	125.37	140
°F	0	1	2	3	4	5	6	7	8	9	10	°F



TABLE 30 100 Ω Platinum RTD — 0.00385 coefficient
temperature in °F

°F	0	1	2	3	4	5	6	7	8	9	10	°F
Resistance in Ohms												
150	125.37	125.59	125.80	126.01	126.22	126.44	126.65	126.86	127.08	127.29	127.50	150
160	127.50	127.71	127.93	128.14	128.35	128.56	128.78	128.99	129.20	129.41	129.62	160
170	129.62	129.84	130.05	130.26	130.47	130.68	130.90	131.11	131.32	131.53	131.74	170
180	131.74	131.96	132.17	132.38	132.59	132.80	133.01	133.23	133.44	133.65	133.86	180
190	133.86	134.07	134.28	134.50	134.71	134.92	135.13	135.34	135.55	135.76	135.97	190
200	135.97	136.19	136.40	136.61	136.82	137.03	137.24	137.45	137.66	137.87	138.08	200
210	138.08	138.29	138.51	138.72	138.93	139.14	139.35	139.56	139.77	139.98	140.19	210
220	140.19	140.40	140.61	140.82	141.03	141.24	141.45	141.66	141.87	142.08	142.29	220
230	142.29	142.50	142.71	142.92	143.13	143.34	143.55	143.76	143.97	144.18	144.39	230
240	144.39	144.60	144.81	145.02	145.23	145.44	145.65	145.86	146.07	146.28	146.49	240
250	146.49	146.70	146.91	147.11	147.32	147.53	147.74	147.95	148.16	148.37	148.58	250
260	148.58	148.79	149.00	149.21	149.41	149.62	149.83	150.04	150.25	150.46	150.67	260
270	150.67	150.88	151.08	151.29	151.50	151.71	151.92	152.13	152.33	152.54	152.75	270
280	152.75	152.96	153.17	153.38	153.58	153.79	154.00	154.21	154.42	154.62	154.83	280
290	154.83	155.04	155.25	155.46	155.66	155.87	156.08	156.29	156.49	156.70	156.91	290
300	156.91	157.12	157.33	157.53	157.74	157.95	158.15	158.36	158.57	158.78	158.98	300
310	158.98	159.19	159.40	159.61	159.81	160.02	160.23	160.43	160.64	160.85	161.05	310
320	161.05	161.26	161.47	161.67	161.88	162.09	162.29	162.50	162.71	162.91	163.12	320
330	163.12	163.33	163.53	163.74	163.95	164.15	164.36	164.57	164.77	164.98	165.18	330
340	165.18	165.39	165.60	165.80	166.01	166.21	166.42	166.63	166.83	167.04	167.24	340
350	167.24	167.45	167.66	167.86	168.07	168.27	168.48	168.68	168.89	169.09	169.30	350
360	169.30	169.51	169.71	169.92	170.12	170.33	170.53	170.74	170.94	171.15	171.35	360
370	171.35	171.56	171.76	171.97	172.17	172.38	172.58	172.79	172.99	173.20	173.40	370
380	173.40	173.61	173.81	174.02	174.22	174.43	174.63	174.83	175.04	175.24	175.45	380
390	175.45	175.65	175.86	176.06	176.26	176.47	176.67	176.88	177.08	177.29	177.49	390
400	177.49	177.69	177.90	178.10	178.30	178.51	178.71	178.92	179.12	179.32	179.53	400
410	179.53	179.73	179.93	180.14	180.34	180.55	180.75	180.95	181.16	181.36	181.56	410
420	181.56	181.77	181.97	182.17	182.38	182.58	182.78	182.98	183.19	183.39	183.59	420
430	183.59	183.80	184.00	184.20	184.40	184.61	184.81	185.01	185.22	185.42	185.62	430
440	185.62	185.82	186.03	186.23	186.43	186.63	186.84	187.04	187.24	187.44	187.65	440
450	187.65	187.85	188.05	188.25	188.45	188.66	188.86	189.06	189.26	189.46	189.67	450
460	189.67	189.87	190.07	190.27	190.47	190.67	190.88	191.08	191.28	191.48	191.68	460
470	191.68	191.88	192.09	192.29	192.49	192.69	192.89	193.09	193.29	193.49	193.70	470
480	193.70	193.90	194.10	194.30	194.50	194.70	194.90	195.10	195.30	195.50	195.71	480
490	195.71	195.91	196.11	196.31	196.51	196.71	196.91	197.11	197.31	197.51	197.71	490
500	197.71	197.91	198.11	198.31	198.51	198.71	198.91	199.11	199.31	199.51	199.71	500
510	199.71	199.91	200.11	200.31	200.51	200.71	200.91	201.11	201.31	201.51	201.71	510
520	201.71	201.91	202.11	202.31	202.51	202.71	202.91	203.11	203.31	203.51	203.71	520
530	203.71	203.91	204.11	204.31	204.51	204.71	204.90	205.10	205.30	205.50	205.70	530
540	205.70	205.90	206.10	206.30	206.50	206.70	206.89	207.09	207.29	207.49	207.69	540
550	207.69	207.89	208.09	208.29	208.48	208.68	208.88	209.08	209.28	209.48	209.67	550
560	209.67	209.87	210.07	210.27	210.47	210.67	210.86	211.06	211.26	211.46	211.66	560
570	211.66	211.85	212.05	212.25	212.45	212.64	212.84	213.04	213.24	213.44	213.63	570
580	213.63	213.83	214.03	214.23	214.42	214.62	214.82	215.02	215.21	215.41	215.61	580
590	215.61	215.80	216.00	216.20	216.40	216.59	216.79	216.99	217.18	217.38	217.58	590
600	217.58	217.77	217.97	218.17	218.37	218.56	218.76	218.96	219.15	219.35	219.55	600
610	219.55	219.74	219.94	220.13	220.33	220.53	220.72	220.92	221.12	221.31	221.51	610
620	221.51	221.70	221.90	222.10	222.29	222.49	222.68	222.88	223.08	223.27	223.47	620
630	223.47	223.66	223.86	224.06	224.25	224.45	224.64	224.84	225.03	225.23	225.42	630
640	225.42	225.62	225.82	226.01	226.21	226.40	226.60	226.79	226.99	227.18	227.38	640
°F	0	1	2	3	4	5	6	7	8	9	10	°F

Pt°F

TABLE 30 100Ω Platinum RTD — 0.00385 coefficient
temperature in °F

°F	0	1	2	3	4	5	6	7	8	9	10	°F
Resistance in Ohms												
650	227.38	227.57	227.77	227.96	228.16	228.35	228.55	228.74	228.94	229.13	229.33	650
660	229.33	229.52	229.72	229.91	230.11	230.30	230.49	230.69	230.88	231.08	231.27	660
670	231.27	231.47	231.66	231.86	232.05	232.24	232.44	232.63	232.83	233.02	233.21	670
680	233.21	233.41	233.60	233.80	233.99	234.18	234.38	234.57	234.77	234.96	235.15	680
690	235.15	235.35	235.54	235.73	235.93	236.12	236.31	236.51	236.70	236.89	237.09	690
700	237.09	237.28	237.47	237.67	237.86	238.05	238.25	238.44	238.63	238.83	239.02	700
710	239.02	239.21	239.41	239.60	239.79	239.98	240.18	240.37	240.56	240.75	240.95	710
720	240.95	241.14	241.33	241.52	241.72	241.91	242.10	242.29	242.49	242.68	242.87	720
730	242.87	243.06	243.26	243.45	243.64	243.83	244.02	244.22	244.41	244.60	244.79	730
740	244.79	244.98	245.18	245.37	245.56	245.75	245.94	246.13	246.33	246.52	246.71	740
750	246.71	246.90	247.09	247.28	247.47	247.67	247.86	248.05	248.24	248.43	248.62	750
760	248.62	248.81	249.00	249.20	249.39	249.58	249.77	249.96	250.15	250.34	250.53	760
770	250.53	250.72	250.91	251.10	251.30	251.49	251.68	251.87	252.06	252.25	252.44	770
780	252.44	252.63	252.82	253.01	253.20	253.39	253.58	253.77	253.96	254.15	254.34	780
790	254.34	254.53	254.72	254.91	255.10	255.29	255.48	255.67	255.86	256.05	256.24	790
800	256.24	256.43	256.62	256.81	257.00	257.19	257.38	257.57	257.76	257.95	258.14	800
810	258.14	258.33	258.52	258.70	258.89	259.08	259.27	259.46	259.65	259.84	260.03	810
820	260.03	260.22	260.41	260.60	260.78	260.97	261.16	261.35	261.54	261.73	261.92	820
830	261.92	262.11	262.29	262.48	262.67	262.86	263.05	263.24	263.43	263.61	263.80	830
840	263.80	263.99	264.18	264.37	264.56	264.74	264.93	265.12	265.31	265.50	265.68	840
850	265.68	265.87	266.06	266.25	266.44	266.62	266.81	267.00	267.19	267.37	267.56	850
860	267.56	267.75	267.94	268.12	268.31	268.50	268.69	268.87	269.06	269.25	269.44	860
870	269.44	269.62	269.81	270.00	270.18	270.37	270.56	270.75	270.93	271.12	271.31	870
880	271.31	271.49	271.68	271.87	272.05	272.24	272.43	272.61	272.80	272.99	273.17	880
890	273.17	273.36	273.55	273.73	273.92	274.11	274.29	274.48	274.67	274.85	275.04	890
900	275.04	275.22	275.41	275.60	275.78	275.97	276.15	276.34	276.53	276.71	276.90	900
910	276.90	277.08	277.27	277.46	277.64	277.83	278.01	278.20	278.38	278.57	278.75	910
920	278.75	278.94	279.13	279.31	279.50	279.68	279.87	280.05	280.24	280.42	280.61	920
930	280.61	280.79	280.98	281.16	281.35	281.53	281.72	281.90	282.09	282.27	282.46	930
940	282.46	282.64	282.83	283.01	283.20	283.38	283.56	283.75	283.93	284.12	284.30	940
950	284.30	284.49	284.67	284.86	285.04	285.22	285.41	285.59	285.78	285.96	286.14	950
960	286.14	286.33	286.51	286.70	286.88	287.06	287.25	287.43	287.62	287.80	287.98	960
970	287.98	288.17	288.35	288.53	288.72	288.90	289.08	289.27	289.45	289.64	289.82	970
980	289.82	290.00	290.19	290.37	290.55	290.73	290.92	291.10	291.28	291.47	291.65	980
990	291.65	291.83	292.02	292.20	292.38	292.56	292.75	292.93	293.11	293.30	293.48	990
1000	293.48	293.66	293.84	294.03	294.21	294.39	294.57	294.76	294.94	295.12	295.30	1000
1010	295.30	295.48	295.67	295.85	296.03	296.21	296.40	296.58	296.76	296.94	297.12	1010
1020	297.12	297.31	297.49	297.67	297.85	298.03	298.21	298.40	298.58	298.76	298.94	1020
1030	298.94	299.12	299.30	299.49	299.67	299.85	300.03	300.21	300.39	300.57	300.75	1030
1040	300.75	300.94	301.12	301.30	301.48	301.66	301.84	302.02	302.20	302.38	302.56	1040
1050	302.56	302.75	302.93	303.11	303.29	303.47	303.65	303.83	304.01	304.19	304.37	1050
1060	304.37	304.55	304.73	304.91	305.09	305.27	305.45	305.63	305.81	305.99	306.17	1060
1070	306.17	306.35	306.53	306.71	306.89	307.07	307.25	307.43	307.61	307.79	307.97	1070
1080	307.97	308.15	308.33	308.51	308.69	308.87	309.05	309.23	309.41	309.59	309.77	1080
1090	309.77	309.95	310.13	310.31	310.49	310.67	310.85	311.02	311.20	311.38	311.56	1090
1100	311.56	311.74	311.92	312.10	312.28	312.46	312.64	312.81	312.99	313.17	313.35	1100
1110	313.35	313.53	313.71	313.89	314.07	314.24	314.42	314.60	314.78	314.96	315.14	1110
1120	315.14	315.31	315.49	315.67	315.85	316.03	316.21	316.38	316.56	316.74	316.92	1120
1130	316.92	317.10	317.27	317.45	317.63	317.81	317.98	318.16	318.34	318.52	318.70	1130
1140	318.70	318.87	319.05	319.23	319.41	319.58	319.76	319.94	320.12	320.29	320.47	1140
°F	0	1	2	3	4	5	6	7	8	9	10	°F

Pt°F

TABLE 30 100 Ω Platinum RTD — 0.00385 coefficient
temperature in °F

°F	0	1	2	3	4	5	6	7	8	9	10	°F
Resistance in Ohms												
1150	320.47	320.65	320.82	321.00	321.18	321.36	321.53	321.71	321.89	322.06	322.24	1150
1160	322.24	322.42	322.59	322.77	322.95	323.13	323.30	323.48	323.66	323.83	324.01	1160
1170	324.01	324.18	324.36	324.54	324.71	324.89	325.07	325.24	325.42	325.60	325.77	1170
1180	325.77	325.95	326.12	326.30	326.48	326.65	326.83	327.00	327.18	327.36	327.53	1180
1190	327.53	327.71	327.88	328.06	328.24	328.41	328.59	328.76	328.94	329.11	329.29	1190
1200	329.29	329.46	329.64	329.82	329.99	330.17	330.34	330.52	330.69	330.87	331.04	1200
1210	331.04	331.22	331.39	331.57	331.74	331.92	332.09	332.27	332.44	332.62	332.79	1210
1220	332.79											1220