

## 100 Ohm Platinum RTD Resistance vs. Temperature Tables

Alpha=.00385

°C	0	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10	°C
<b>-200</b>	18.52											<b>-200</b>
<b>-190</b>	22.83	22.40	21.97	21.54	21.11	20.68	20.25	19.82	19.38	18.95	18.52	<b>-190</b>
<b>-180</b>	27.10	26.67	26.24	25.82	25.39	24.97	24.54	24.11	23.68	23.25	22.83	<b>-180</b>
<b>-170</b>	31.34	30.91	30.49	30.07	29.64	29.22	28.80	28.37	27.95	27.52	27.10	<b>-170</b>
<b>-160</b>	35.54	35.12	34.70	34.28	33.86	33.44	33.02	32.60	32.18	31.76	31.34	<b>-160</b>
<b>-150</b>	39.72	39.31	38.89	38.47	38.05	37.64	37.22	36.80	36.38	35.96	35.54	<b>-150</b>
<b>-140</b>	43.88	43.46	43.05	42.63	42.22	41.80	41.39	40.97	40.56	40.14	39.72	<b>-140</b>
<b>-130</b>	48.00	47.59	47.18	46.77	46.36	45.94	45.53	45.12	44.70	44.29	43.88	<b>-130</b>
<b>-120</b>	52.11	51.70	51.29	50.88	50.47	50.06	49.65	49.24	48.83	48.42	48.00	<b>-120</b>
<b>-110</b>	56.19	55.79	55.38	54.97	54.56	54.15	53.75	53.34	52.93	52.52	52.11	<b>-110</b>
<b>-100</b>	60.26	59.85	59.44	59.04	58.63	58.23	57.82	57.41	57.01	56.60	56.19	<b>-100</b>
<b>-90</b>	64.30	63.90	63.49	63.09	62.68	62.28	61.88	61.47	61.07	60.66	60.26	<b>-90</b>
<b>-80</b>	68.33	67.92	67.52	67.12	66.72	66.31	65.91	65.51	65.11	64.70	64.30	<b>-80</b>
<b>-70</b>	72.33	71.93	71.53	71.13	70.73	70.33	69.93	69.53	69.13	68.73	68.33	<b>-70</b>
<b>-60</b>	76.33	75.93	75.53	75.13	74.73	74.33	73.93	73.53	73.13	72.72	72.33	<b>-60</b>
<b>-50</b>	80.31	79.91	79.51	79.11	78.72	78.32	77.92	77.52	77.12	76.73	76.33	<b>-50</b>
<b>-40</b>	84.27	83.87	83.48	83.08	82.69	82.29	81.89	81.50	81.10	80.70	80.31	<b>-40</b>
<b>-30</b>	88.22	87.83	87.43	87.04	86.64	86.25	85.85	85.46	85.06	84.67	84.27	<b>-30</b>
<b>-20</b>	92.16	91.77	91.37	90.98	90.59	90.19	89.80	89.40	89.01	88.62	88.22	<b>-20</b>
<b>-10</b>	96.09	95.69	95.30	94.91	94.52	94.12	93.73	93.34	92.95	92.55	92.16	<b>-10</b>
<b>0</b>	100.00	99.61	99.22	98.83	98.44	98.04	97.65	97.26	96.87	96.48	96.09	<b>0</b>
°C	0	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10	°C

°C	0	1	2	3	4	5	6	7	8	9	10	°C
<b>0</b>	100.00	100.39	100.78	101.17	101.56	101.95	102.34	102.73	103.12	103.51	103.90	<b>0</b>
<b>10</b>	103.90	104.29	104.68	105.07	105.46	105.85	106.24	106.63	107.02	107.40	107.79	<b>10</b>
<b>20</b>	107.79	108.18	108.57	108.96	109.35	109.73	110.12	110.51	110.90	111.29	111.67	<b>20</b>
<b>30</b>	111.67	112.06	112.45	112.83	113.22	113.61	114.00	114.38	114.77	115.15	115.54	<b>30</b>
<b>40</b>	115.54	115.93	116.31	116.70	117.08	117.47	117.86	118.24	118.63	119.01	119.40	<b>40</b>
<b>50</b>	119.40	119.78	120.17	120.55	120.94	121.32	121.71	122.09	122.47	122.86	123.24	<b>50</b>
<b>60</b>	123.24	123.63	124.01	124.39	124.78	125.16	125.54	125.93	126.31	126.69	127.08	<b>60</b>
<b>70</b>	127.08	127.46	127.84	128.22	128.61	128.99	129.37	129.75	130.13	130.52	130.90	<b>70</b>
<b>80</b>	130.90	131.28	131.66	132.04	132.42	132.80	133.18	133.57	133.95	134.33	134.71	<b>80</b>
<b>90</b>	134.71	135.09	135.47	135.85	136.23	136.61	136.99	137.37	137.75	138.13	138.51	<b>90</b>

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°C	0	1	2	3	4	5	6	7	8	9	10	°C
<b>100</b>	138.51	138.88	139.26	139.64	140.02	140.40	140.78	141.16	141.54	141.91	142.29	<b>100</b>
<b>110</b>	142.29	142.67	143.05	143.43	143.80	144.18	144.56	144.94	145.31	145.69	146.07	<b>110</b>
<b>120</b>	146.07	146.44	146.82	147.20	147.57	147.95	148.33	148.70	149.08	149.46	149.83	<b>120</b>
<b>130</b>	149.83	150.21	150.58	150.96	151.33	151.71	152.08	152.46	152.83	153.21	153.58	<b>130</b>
<b>140</b>	153.58	153.96	154.33	154.71	155.08	155.46	155.83	156.20	156.58	156.95	157.33	<b>140</b>
<b>150</b>	157.33	157.70	158.07	158.45	158.82	159.19	159.56	159.94	160.31	160.68	161.05	<b>150</b>
<b>160</b>	161.05	161.43	161.80	162.17	162.54	162.91	163.29	163.66	164.03	164.40	164.77	<b>160</b>
<b>170</b>	164.77	165.14	165.51	165.89	166.26	166.63	167.00	167.37	167.74	168.11	168.48	<b>170</b>
<b>180</b>	168.48	168.85	169.22	169.59	169.96	170.33	170.70	171.07	171.43	171.80	172.17	<b>180</b>
<b>190</b>	172.17	172.54	172.91	173.28	173.65	174.02	174.38	174.75	175.12	175.49	175.86	<b>190</b>
<b>200</b>	175.86	176.22	176.59	176.96	177.33	177.69	178.06	178.43	178.79	179.16	179.53	<b>200</b>
<b>210</b>	179.53	179.89	180.26	180.63	180.99	181.36	181.72	182.09	182.46	182.82	183.19	<b>210</b>
<b>220</b>	183.19	183.55	183.92	184.28	184.65	185.01	185.38	185.74	186.11	186.47	186.84	<b>220</b>
<b>230</b>	186.84	187.20	187.56	187.93	188.29	188.66	189.02	189.38	189.75	190.11	190.47	<b>230</b>
<b>240</b>	190.47	190.84	191.20	191.56	191.92	192.29	192.65	193.01	193.37	193.74	194.10	<b>240</b>
<b>250</b>	194.10	194.46	194.82	195.18	195.55	195.91	196.27	196.63	196.99	197.35	197.71	<b>250</b>
<b>260</b>	197.71	198.07	198.43	198.79	199.15	199.51	199.87	200.23	200.59	200.95	201.31	<b>260</b>
<b>270</b>	201.31	201.67	202.03	202.39	202.75	203.11	203.47	203.83	204.19	204.55	204.90	<b>270</b>
<b>280</b>	204.90	205.26	205.62	205.98	206.34	206.70	207.05	207.41	207.77	208.13	208.48	<b>280</b>
<b>290</b>	208.48	208.84	209.20	209.56	209.91	210.27	210.63	210.98	211.34	211.70	212.05	<b>290</b>
<b>300</b>	212.05	212.41	212.76	213.12	213.48	213.83	214.19	214.54	214.90	215.25	215.61	<b>300</b>
<b>310</b>	215.61	215.96	216.32	216.67	217.03	217.38	217.74	218.09	218.44	218.80	219.15	<b>310</b>
<b>320</b>	219.15	219.51	219.86	220.21	220.57	220.92	221.27	221.63	221.98	222.33	222.68	<b>320</b>
<b>330</b>	222.68	223.04	223.39	223.74	224.09	224.45	224.80	225.15	225.50	225.85	226.21	<b>330</b>
<b>340</b>	226.21	226.56	226.91	227.26	227.61	227.96	228.31	228.66	229.02	229.37	229.72	<b>340</b>
<b>350</b>	229.72	230.07	230.42	230.77	231.12	231.47	231.82	232.17	232.52	232.87	233.21	<b>350</b>
<b>360</b>	233.21	233.56	233.91	234.26	234.61	234.96	235.31	235.66	236.00	236.35	236.70	<b>360</b>
<b>370</b>	236.70	237.05	237.40	237.74	238.09	238.44	238.79	239.13	239.48	239.83	240.18	<b>370</b>
<b>380</b>	240.18	240.52	240.87	241.22	241.56	241.91	242.26	242.60	242.95	243.29	243.64	<b>380</b>
<b>390</b>	243.64	243.99	244.33	244.68	245.02	245.37	245.71	246.06	246.40	246.75	247.09	<b>390</b>
<b>400</b>	247.09	247.44	247.78	248.13	248.47	248.81	249.16	249.50	249.85	250.19	250.53	<b>400</b>
<b>410</b>	250.53	250.88	251.22	251.56	251.91	252.25	252.59	252.93	253.28	253.62	253.96	<b>410</b>
<b>420</b>	253.96	254.30	254.65	254.99	255.33	255.67	256.01	256.35	256.70	257.04	257.38	<b>420</b>
<b>430</b>	257.38	257.72	258.06	258.40	258.74	259.08	259.42	259.76	260.10	260.44	260.78	<b>430</b>
<b>440</b>	260.78	261.12	261.46	261.80	262.14	262.48	262.82	263.16	263.50	263.84	264.18	<b>440</b>

## 100 Ohm Platinum RTD Resistance vs. Temperature Tables

Alpha=.00385

°C	0	1	2	3	4	5	6	7	8	9	10	°C
<b>450</b>	264.18	264.52	264.86	265.20	265.53	265.87	266.21	266.55	266.89	267.22	267.56	<b>450</b>
<b>460</b>	267.56	267.90	268.24	268.57	268.91	269.25	269.59	269.92	270.26	270.60	270.93	<b>460</b>
<b>470</b>	270.93	271.27	271.61	271.94	272.28	272.61	272.95	273.29	273.62	273.96	274.29	<b>470</b>
<b>480</b>	274.29	274.63	274.96	275.30	275.63	275.97	276.30	276.64	276.97	277.31	277.64	<b>480</b>
<b>490</b>	277.64	277.98	278.31	278.64	278.98	279.31	279.64	279.98	280.31	280.64	280.98	<b>490</b>
<b>500</b>	280.98	281.31	281.64	281.98	282.31	282.64	282.97	283.31	283.64	283.97	284.30	<b>500</b>
<b>510</b>	284.30	284.63	284.97	285.30	285.63	285.96	286.29	286.62	286.95	287.29	287.62	<b>510</b>
<b>520</b>	287.62	287.95	288.28	288.61	288.94	289.27	289.60	289.93	290.26	290.59	290.92	<b>520</b>
<b>530</b>	290.92	291.25	291.58	291.91	292.24	292.56	292.89	293.22	293.55	293.88	294.21	<b>530</b>
<b>540</b>	294.21	294.54	294.86	295.19	295.52	295.85	296.18	296.50	296.83	297.16	297.49	<b>540</b>
<b>550</b>	297.49	297.81	298.14	298.47	298.80	299.12	299.45	299.78	300.10	300.43	300.75	<b>550</b>
<b>560</b>	300.75	301.08	301.41	301.73	302.06	302.38	302.71	303.03	303.36	303.69	304.01	<b>560</b>
<b>570</b>	304.01	304.34	304.66	304.98	305.31	305.63	305.96	306.28	306.61	306.93	307.25	<b>570</b>
<b>580</b>	307.25	307.58	307.90	308.23	308.55	308.87	309.20	309.52	309.84	310.16	310.49	<b>580</b>
<b>590</b>	310.49	310.81	311.13	311.45	311.78	312.10	312.42	312.74	313.06	313.39	313.71	<b>590</b>
<b>600</b>	313.71	314.03	314.35	314.67	314.99	315.31	315.64	315.96	316.28	316.60	316.92	<b>600</b>
<b>610</b>	316.92	317.24	317.56	317.88	318.20	318.52	318.84	319.16	319.48	319.80	320.12	<b>610</b>
<b>620</b>	320.12	320.43	320.75	321.07	321.39	321.71	322.03	322.35	322.67	322.98	323.30	<b>620</b>
<b>630</b>	323.30	323.62	323.94	324.26	324.57	324.89	325.21	325.53	325.84	326.16	326.48	<b>630</b>
<b>640</b>	326.48	326.79	327.11	327.43	327.74	328.06	328.38	328.69	329.01	329.32	329.64	<b>640</b>
<b>650</b>	329.64											<b>650</b>

Reference IEC 751