

Platinum 100-Ω RTD Table

TABLE F.3

Platinum RTD 100 Ω at 0°C, DIN curve 43760, 9–68

°C	Ohms	°C	Ohms	°C	Ohms	°C	Ohms	°C	Ohms
–200	18.53	–40	84.21	120	146.06	280	204.88	440	260.75
–195	20.65	–35	86.19	125	147.94	285	206.68	445	262.45
–190	22.78	–30	88.17	130	149.82	290	208.46	450	264.14
–185	24.92	–25	90.15	135	151.7	295	210.25	455	265.83
–180	27.05	–20	92.13	140	153.57	300	212.03	460	267.52
–175	29.17	–15	94.1	145	155.45	305	213.81	465	269.21
–170	31.28	–10	96.07	150	157.32	310	215.58	470	270.89
–165	33.38	–5	98.04	155	159.18	315	217.36	475	272.57
–160	35.48	0	100	160	161.04	320	219.13	480	274.25
–155	37.57	5	101.95	165	162.9	325	220.9	485	275.92
–150	39.65	10	103.9	170	164.76	330	222.66	490	277.6
–145	41.73	15	105.85	175	166.62	335	224.42	495	279.27
–140	43.8	20	107.79	180	168.47	340	226.18	500	280.93
–135	45.87	25	109.73	185	170.32	345	227.94	505	282.6
–130	47.93	30	111.67	190	172.16	350	229.69	510	284.26
–125	49.99	35	113.61	195	174	355	231.44	515	285.91
–120	52.04	40	115.54	200	175.84	360	233.19	520	287.57
–115	54.09	45	117.47	205	177.68	365	234.93	525	289.22
–110	56.13	50	119.4	210	179.51	370	236.67	530	290.87
–105	58.17	55	121.32	215	181.34	375	238.41	535	292.51
–100	60.2	60	123.24	220	183.17	380	240.15	540	294.16
–95	62.23	65	125.16	225	185	385	241.88	545	295.8
–90	64.25	70	127.07	230	186.82	390	243.61	550	297.43
–85	66.27	75	128.98	235	188.64	395	245.34	555	299.07
–80	68.28	80	130.89	240	190.46	400	247.06	560	300.7
–75	70.29	85	132.8	245	192.27	405	248.78	565	302.33
–70	72.29	90	134.7	250	194.08	410	250.5	570	303.95
–65	74.29	95	136.6	255	195.89	415	252.21	575	305.58
–60	76.28	100	138.5	260	197.7	420	253.93	580	307.2
–55	78.27	105	140.39	265	199.5	425	255.64	585	308.81
–50	80.25	110	142.28	270	201.3	430	257.34	590	310.43
–45	82.23	115	144.18	275	203.09	435	259.05	595	312.04

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TABLE F.3
(Continued)

°C	Ohms	°C	Ohms	°C	Ohms	°C	Ohms	°C	Ohms
600	313.65	655	331.15	710	348.3	765	365.1	820	381.55
605	315.25	660	332.72	715	349.84	770	366.61	825	383.03
610	316.86	665	334.29	720	351.38	775	368.12	830	384.5
615	318.46	670	335.86	725	352.92	780	369.62	835	385.98
620	320.05	675	337.43	730	354.45	785	371.12	840	387.45
625	321.65	680	338.99	735	355.98	790	372.62	845	388.91
630	323.24	685	340.55	740	357.51	795	374.12	850	390.38
635	324.83	690	342.1	745	359.03	800	375.61		
640	326.41	695	343.66	750	360.55	805	377.1		
645	327.99	700	345.21	755	362.07	810	378.59		
650	329.57	705	346.76	760	363.59	815	380.07		

Table taken from R. E. Fraser, *Process Measurement and Control – Introduction to Sensors, Communication, Adjustment, and Control*, Prentice-Hall, Inc., Upper Saddle River, NJ, 2001.