THERMOELECTIRC VOLTAGE IN ABSOLUTE mV

Iron – Constantan (J – Type)

°C	0 °C	2°C	4°C	8°C	10°C
-100	-4.632	-4.550	-4.467	-4.299	-4.215
0	0.000	0.101	0.202	0.405	0.507
100	5.268	5.376	5.485	5.703	5.812
200	10.777	10.888	10.999	11.221	11.332
300	16.325	16.436	16.547	16.768	16.879
400	21.846	21.956	22.066	22.287	22.397
500	27.388	27.500	27.612	27.836	27.949

Chromel – Alumel (K- Type)

°C	0 °C	2°C	4°C	8°C	10°C
-100	-4.632	-4.550	-4.467	-4.299	-4.215
0	0.000	0.101	0.202	0.405	0.507
100	5.268	5.376	5.485	5.703	5.812
200	10.777	10.888	10.999	11.221	11.332
300	16.325	16.436	16.547	16.768	16.879
400	21.846	21.956	22.066	22.287	22.397
500	27.388	27.500	27.612	27.836	27.949

Pt – Pt Rh 13% (R- Type)

°C	0 °C	2°C	4°C	8°C	10°C
-100	-4.632	-4.550	-4.467	-4.299	-4.215
0	0.000	0.101	0.202	0.405	0.507
100	5.268	5.376	5.485	5.703	5.812
200	10.777	10.888	10.999	11.221	11.332
300	16.325	16.436	16.547	16.768	16.879
400	21.846	21.956	22.066	22.287	22.397
500	27.388	27.500	27.612	27.836	27.949

Pt – Pt Rh 10 % (S – Type)

°C	0 °C	2°C	4°C	8°C	10°C
-100	-4.632	-4.550	-4.467	-4.299	-4.215
0	0.000	0.101	0.202	0.405	0.507
100	5.268	5.376	5.485	5.703	5.812
200	10.777	10.888	10.999	11.221	11.332
300	16.325	16.436	16.547	16.768	16.879
400	21.846	21.956	22.066	22.287	22.397
500	27.388	27.500	27.612	27.836	27.949

Pt-100 R.T.D. As Per DIN 43760 Temp. Vs Resistance (Ohms) Table

°C	0 °C	2°C	4°C	6°C	8°C	10°C
-200	18.49	19.36	20.22	21.08	21.94	22.80
-100	60.25	61.06	61.87	62.68	63.49	64.30
-25	90.19	90.98	91.77	92.55	93.34	94.12
-10	96.09	96.87	97.65	98.44	99.22	100.00
0	100.00	100.78	101.56	102.34	103.12	103.90
10	103.90	104.68	105.46	106.24	107.02	107.79
25	109.73	110.51	111.28	112.06	112.83	113.61
50	119.40	120.16	120.93	121.70	122.47	123.24
100	138.50	139.26	140.02	140.77	141.53	142.29
150	157.31	158.06	158.81	159.55	160.30	161.04
200	175.84	176.57	177.31	178.04	178.78	179.51
300	212.02	212.73	213.44	214.15	214.86	215.57
400	247.04	247.73	248.41	249.10	249.79	250.48
500	280.90	281.56	282.23	282.89	283.55	284.22
600	313.59	314.24	314.88	315.52	316.16	316.80

nippon