

# Thermistor Inputs

SSE Thermistor Sensor Temperature vs. Volts DC vs. Resistance

Note for Field usage: expect reading variances up to  $\pm 5\%$  due to inherent accuracy tolerances of test instruments

Temperature °F	Volts DC	Resistance $\Omega$	Temperature °F	Volts DC	Resistance $\Omega$
? out of range high	open circuit 3.625	infinite	75	1.51	10501
-40	3.41	330073	80	1.41	9298
-35	3.38	276915	85	1.32	8250
-30	3.34	232613	90	1.23	7332
-25	3.30	195716	95	1.14	6530
-20	3.25	164994	100	1.06	5827
-15	3.19	139404	105	0.99	5209
-10	3.13	118050	110	0.91	4665
-5	3.07	100260	115	0.85	4184
0	3.00	85398	120	0.78	3759
5	2.92	72950	125	0.73	3382
10	2.84	62495	130	0.67	3048
15	2.75	53685	135	0.62	2751
20	2.66	46240	140	0.57	2488
25	2.56	39929	145	0.53	2252
30	2.46	34565	150	0.49	2042
35	2.36	29998	155	0.45	1855
40	2.25	26099	160	0.42	1686
45	2.14	22763	165	0.39	1535
50	2.03	19900	170	0.36	1399
55	1.93	17435	175	0.33	1277
60	1.82	15309	180	0.31	1168
65	1.71	13472	185	0.29	1070
70	1.61	11881	190	0.27	980
? out of range low	short circuit	0	? out of range low	short circuit	0

- Type III – 10,000  $\Omega$  @ 77°F  
Negative Temperature  
Coefficient
- Thermistor Chart of Tech  
Training materials