

# Technical Data

## *Output Board Reference Guide*

310, 3110, 370, 3307, 3950 Series
Revision Date: May 19, 2014

## Output Board Reference Guide – 310, 370, 3110, and 3950 Series

Temp C	0-1V Output	0-5V Output	4-20mA Output	Temp C	0-1V Output	0-5V Output	4-20mA Output
0.0	0.0000	0.0000	2.6667	5.0	0.0333	0.1667	3.2000
0.1	0.0007	0.0033	2.6773	5.1	0.0340	0.1700	3.2107
0.2	0.0013	0.0067	2.6880	5.2	0.0347	0.1733	3.2213
0.3	0.0020	0.0100	2.6987	5.3	0.0353	0.1767	3.2320
0.4	0.0027	0.0133	2.7093	5.4	0.0360	0.1800	3.2427
0.5	0.0033	0.0167	2.7200	5.5	0.0367	0.1833	3.2533
0.6	0.0040	0.0200	2.7307	5.6	0.0373	0.1867	3.2640
0.7	0.0047	0.0233	2.7413	5.7	0.0380	0.1900	3.2747
0.8	0.0053	0.0267	2.7520	5.8	0.0387	0.1933	3.2853
0.9	0.0060	0.0300	2.7627	5.9	0.0393	0.1967	3.2960
1.0	0.0067	0.0333	2.7733	6.0	0.0400	0.2000	3.3067
1.1	0.0073	0.0367	2.7840	6.1	0.0407	0.2033	3.3173
1.2	0.0080	0.0400	2.7947	6.2	0.0413	0.2067	3.3280
1.3	0.0087	0.0433	2.8053	6.3	0.0420	0.2100	3.3387
1.4	0.0093	0.0467	2.8160	6.4	0.0427	0.2133	3.3493
1.5	0.0100	0.0500	2.8267	6.5	0.0433	0.2167	3.3600
1.6	0.0107	0.0533	2.8373	6.6	0.0440	0.2200	3.3707
1.7	0.0113	0.0567	2.8480	6.7	0.0447	0.2233	3.3813
1.8	0.0120	0.0600	2.8587	6.8	0.0453	0.2267	3.3920
1.9	0.0127	0.0633	2.8693	6.9	0.0460	0.2300	3.4027
2.0	0.0133	0.0667	2.8800	7.0	0.0467	0.2333	3.4133
2.1	0.0140	0.0700	2.8907	7.1	0.0473	0.2367	3.4240
2.2	0.0147	0.0733	2.9013	7.2	0.0480	0.2400	3.4347
2.3	0.0153	0.0767	2.9120	7.3	0.0487	0.2433	3.4453
2.4	0.0160	0.0800	2.9227	7.4	0.0493	0.2467	3.4560
2.5	0.0167	0.0833	2.9333	7.5	0.0500	0.2500	3.4667
2.6	0.0173	0.0867	2.9440	7.6	0.0507	0.2533	3.4773
2.7	0.0180	0.0900	2.9547	7.7	0.0513	0.2567	3.4880
2.8	0.0187	0.0933	2.9653	7.8	0.0520	0.2600	3.4987
2.9	0.0193	0.0967	2.9760	7.9	0.0527	0.2633	3.5093
3.0	0.0200	0.1000	2.9867	8.0	0.0533	0.2667	3.5200
3.1	0.0207	0.1033	2.9973	8.1	0.0540	0.2700	3.5307
3.2	0.0213	0.1067	3.0080	8.2	0.0547	0.2733	3.5413
3.3	0.0220	0.1100	3.0187	8.3	0.0553	0.2767	3.5520
3.4	0.0227	0.1133	3.0293	8.4	0.0560	0.2800	3.5627
3.5	0.0233	0.1167	3.0400	8.5	0.0567	0.2833	3.5733
3.6	0.0240	0.1200	3.0507	8.6	0.0573	0.2867	3.5840
3.7	0.0247	0.1233	3.0613	8.7	0.0580	0.2900	3.5947
3.8	0.0253	0.1267	3.0720	8.8	0.0587	0.2933	3.6053
3.9	0.0260	0.1300	3.0827	8.9	0.0593	0.2967	3.6160
4.0	0.0267	0.1333	3.0933	9.0	0.0600	0.3000	3.6267
4.1	0.0273	0.1367	3.1040	9.1	0.0607	0.3033	3.6373
4.2	0.0280	0.1400	3.1147	9.2	0.0613	0.3067	3.6480
4.3	0.0287	0.1433	3.1253	9.3	0.0620	0.3100	3.6587
4.4	0.0293	0.1467	3.1360	9.4	0.0627	0.3133	3.6693
4.5	0.0300	0.1500	3.1467	9.5	0.0633	0.3167	3.6800
4.6	0.0307	0.1533	3.1573	9.6	0.0640	0.3200	3.6907
4.7	0.0313	0.1567	3.1680	9.7	0.0647	0.3233	3.7013
4.8	0.0320	0.1600	3.1787	9.8	0.0653	0.3267	3.7120
4.9	0.0327	0.1633	3.1893	9.9	0.0660	0.3300	3.7227

## Output Board Reference Guide – 310, 370, 3110, and 3950 Series

Temp C	0-1V Output	0-5V Output	4-20mA Output	Temp C	0-1V Output	0-5V Output	4-20mA Output
10.0	0.0667	0.3333	3.7333	15.0	0.1000	0.5000	4.2667
10.1	0.0673	0.3367	3.7440	15.1	0.1007	0.5033	4.2773
10.2	0.0680	0.3400	3.7547	15.2	0.1013	0.5067	4.2880
10.3	0.0687	0.3433	3.7653	15.3	0.1020	0.5100	4.2987
10.4	0.0693	0.3467	3.7760	15.4	0.1027	0.5133	4.3093
10.5	0.0700	0.3500	3.7867	15.5	0.1033	0.5167	4.3200
10.6	0.0707	0.3533	3.7973	15.6	0.1040	0.5200	4.3307
10.7	0.0713	0.3567	3.8080	15.7	0.1047	0.5233	4.3413
10.8	0.0720	0.3600	3.8187	15.8	0.1053	0.5267	4.3520
10.9	0.0727	0.3633	3.8293	15.9	0.1060	0.5300	4.3627
11.0	0.0733	0.3667	3.8400	16.0	0.1067	0.5333	4.3733
11.1	0.0740	0.3700	3.8507	16.1	0.1073	0.5367	4.3840
11.2	0.0747	0.3733	3.8613	16.2	0.1080	0.5400	4.3947
11.3	0.0753	0.3767	3.8720	16.3	0.1087	0.5433	4.4053
11.4	0.0760	0.3800	3.8827	16.4	0.1093	0.5467	4.4160
11.5	0.0767	0.3833	3.8933	16.5	0.1100	0.5500	4.4267
11.6	0.0773	0.3867	3.9040	16.6	0.1107	0.5533	4.4373
11.7	0.0780	0.3900	3.9147	16.7	0.1113	0.5567	4.4480
11.8	0.0787	0.3933	3.9253	16.8	0.1120	0.5600	4.4587
11.9	0.0793	0.3967	3.9360	16.9	0.1127	0.5633	4.4693
12.0	0.0800	0.4000	3.9467	17.0	0.1133	0.5667	4.4800
12.1	0.0807	0.4033	3.9573	17.1	0.1140	0.5700	4.4907
12.2	0.0813	0.4067	3.9680	17.2	0.1147	0.5733	4.5013
12.3	0.0820	0.4100	3.9787	17.3	0.1153	0.5767	4.5120
12.4	0.0827	0.4133	3.9893	17.4	0.1160	0.5800	4.5227
12.5	0.0833	0.4167	4.0000	17.5	0.1167	0.5833	4.5333
12.6	0.0840	0.4200	4.0107	17.6	0.1173	0.5867	4.5440
12.7	0.0847	0.4233	4.0213	17.7	0.1180	0.5900	4.5547
12.8	0.0853	0.4267	4.0320	17.8	0.1187	0.5933	4.5653
12.9	0.0860	0.4300	4.0427	17.9	0.1193	0.5967	4.5760
13.0	0.0867	0.4333	4.0533	18.0	0.1200	0.6000	4.5867
13.1	0.0873	0.4367	4.0640	18.1	0.1207	0.6033	4.5973
13.2	0.0880	0.4400	4.0747	18.2	0.1213	0.6067	4.6080
13.3	0.0887	0.4433	4.0853	18.3	0.1220	0.6100	4.6187
13.4	0.0893	0.4467	4.0960	18.4	0.1227	0.6133	4.6293
13.5	0.0900	0.4500	4.1067	18.5	0.1233	0.6167	4.6400
13.6	0.0907	0.4533	4.1173	18.6	0.1240	0.6200	4.6507
13.7	0.0913	0.4567	4.1280	18.7	0.1247	0.6233	4.6613
13.8	0.0920	0.4600	4.1387	18.8	0.1253	0.6267	4.6720
13.9	0.0927	0.4633	4.1493	18.9	0.1260	0.6300	4.6827
14.0	0.0933	0.4667	4.1600	19.0	0.1267	0.6333	4.6933
14.1	0.0940	0.4700	4.1707	19.1	0.1273	0.6367	4.7040
14.2	0.0947	0.4733	4.1813	19.2	0.1280	0.6400	4.7147
14.3	0.0953	0.4767	4.1920	19.3	0.1287	0.6433	4.7253
14.4	0.0960	0.4800	4.2027	19.4	0.1293	0.6467	4.7360
14.5	0.0967	0.4833	4.2133	19.5	0.1300	0.6500	4.7467
14.6	0.0973	0.4867	4.2240	19.6	0.1307	0.6533	4.7573
14.7	0.0980	0.4900	4.2347	19.7	0.1313	0.6567	4.7680
14.8	0.0987	0.4933	4.2453	19.8	0.1320	0.6600	4.7787
14.9	0.0993	0.4967	4.2560	19.9	0.1327	0.6633	4.7893

## Output Board Reference Guide – 310, 370, 3110, and 3950 Series

Temp C	0-1V Output	0-5V Output	4-20mA Output	Temp C	0-1V Output	0-5V Output	4-20mA Output
20.0	0.1333	0.6667	4.8000	25.0	0.1667	0.8333	5.3333
20.1	0.1340	0.6700	4.8107	25.2	0.1680	0.8400	5.3547
20.2	0.1347	0.6733	4.8213	25.3	0.1687	0.8433	5.3653
20.3	0.1353	0.6767	4.8320	25.4	0.1693	0.8467	5.3760
20.4	0.1360	0.6800	4.8427	25.5	0.1700	0.8500	5.3867
20.5	0.1367	0.6833	4.8533	25.6	0.1707	0.8533	5.3973
20.6	0.1373	0.6867	4.8640	25.7	0.1713	0.8567	5.4080
20.7	0.1380	0.6900	4.8747	25.8	0.1720	0.8600	5.4187
20.8	0.1387	0.6933	4.8853	25.9	0.1727	0.8633	5.4293
20.9	0.1393	0.6967	4.8960	26.0	0.1733	0.8667	5.4400
21.0	0.1400	0.7000	4.9067	26.1	0.1740	0.8700	5.4507
21.1	0.1407	0.7033	4.9173	26.2	0.1747	0.8733	5.4613
21.2	0.1413	0.7067	4.9280	26.3	0.1753	0.8767	5.4720
21.3	0.1420	0.7100	4.9387	26.4	0.1760	0.8800	5.4827
21.4	0.1427	0.7133	4.9493	26.5	0.1767	0.8833	5.4933
21.5	0.1433	0.7167	4.9600	26.6	0.1773	0.8867	5.5040
21.6	0.1440	0.7200	4.9707	26.7	0.1780	0.8900	5.5147
21.7	0.1447	0.7233	4.9813	26.8	0.1787	0.8933	5.5253
21.8	0.1453	0.7267	4.9920	26.9	0.1793	0.8967	5.5360
21.9	0.1460	0.7300	5.0027	27.0	0.1800	0.9000	5.5467
22.0	0.1467	0.7333	5.0133	27.1	0.1807	0.9033	5.5573
22.1	0.1473	0.7367	5.0240	27.2	0.1813	0.9067	5.5680
22.2	0.1480	0.7400	5.0347	27.3	0.1820	0.9100	5.5787
22.3	0.1487	0.7433	5.0453	27.4	0.1827	0.9133	5.5893
22.4	0.1493	0.7467	5.0560	27.5	0.1833	0.9167	5.6000
22.5	0.1500	0.7500	5.0667	27.6	0.1840	0.9200	5.6107
22.6	0.1507	0.7533	5.0773	27.7	0.1847	0.9233	5.6213
22.7	0.1513	0.7567	5.0880	27.8	0.1853	0.9267	5.6320
22.8	0.1520	0.7600	5.0987	27.9	0.1860	0.9300	5.6427
22.9	0.1527	0.7633	5.1093	28.0	0.1867	0.9333	5.6533
23.0	0.1533	0.7667	5.1200	28.1	0.1873	0.9367	5.6640
23.1	0.1540	0.7700	5.1307	28.2	0.1880	0.9400	5.6747
23.2	0.1547	0.7733	5.1413	28.3	0.1887	0.9433	5.6853
23.3	0.1553	0.7767	5.1520	28.4	0.1893	0.9467	5.6960
23.4	0.1560	0.7800	5.1627	28.5	0.1900	0.9500	5.7067
23.5	0.1567	0.7833	5.1733	28.6	0.1907	0.9533	5.7173
23.6	0.1573	0.7867	5.1840	28.7	0.1913	0.9567	5.7280
23.7	0.1580	0.7900	5.1947	28.8	0.1920	0.9600	5.7387
23.8	0.1587	0.7933	5.2053	28.9	0.1927	0.9633	5.7493
23.9	0.1593	0.7967	5.2160	29.0	0.1933	0.9667	5.7600
24.0	0.1600	0.8000	5.2267	29.1	0.1940	0.9700	5.7707
24.1	0.1607	0.8033	5.2373	29.2	0.1947	0.9733	5.7813
24.2	0.1613	0.8067	5.2480	29.3	0.1953	0.9767	5.7920
24.3	0.1620	0.8100	5.2587	29.4	0.1960	0.9800	5.8027
24.4	0.1627	0.8133	5.2693	29.5	0.1967	0.9833	5.8133
24.5	0.1633	0.8167	5.2800	29.6	0.1973	0.9867	5.8240
24.6	0.1640	0.8200	5.2907	29.7	0.1980	0.9900	5.8347
24.7	0.1647	0.8233	5.3013	29.8	0.1987	0.9933	5.8453
24.8	0.1653	0.8267	5.3120	29.9	0.1993	0.9967	5.8560
24.9	0.1660	0.8300	5.3227	30.0	0.2000	1.0000	5.8667

## Output Board Reference Guide – 310, 370, 3110, and 3950 Series

Temp C	0-1V Output	0-5V Output	4-20mA Output	Temp C	0-1V Output	0-5V Output	4-20mA Output
30.2	0.2013	1.0067	5.8880	35.3	0.2353	1.1767	6.4320
30.3	0.2020	1.0100	5.8987	35.4	0.2360	1.1800	6.4427
30.4	0.2027	1.0133	5.9093	35.5	0.2367	1.1833	6.4533
30.5	0.2033	1.0167	5.9200	35.6	0.2373	1.1867	6.4640
30.6	0.2040	1.0200	5.9307	35.7	0.2380	1.1900	6.4747
30.7	0.2047	1.0233	5.9413	35.8	0.2387	1.1933	6.4853
30.8	0.2053	1.0267	5.9520	35.9	0.2393	1.1967	6.4960
30.9	0.2060	1.0300	5.9627	36.0	0.2400	1.2000	6.5067
31.0	0.2067	1.0333	5.9733	36.1	0.2407	1.2033	6.5173
31.1	0.2073	1.0367	5.9840	36.2	0.2413	1.2067	6.5280
31.2	0.2080	1.0400	5.9947	36.3	0.2420	1.2100	6.5387
31.3	0.2087	1.0433	6.0053	36.4	0.2427	1.2133	6.5493
31.4	0.2093	1.0467	6.0160	36.5	0.2433	1.2167	6.5600
31.5	0.2100	1.0500	6.0267	36.6	0.2440	1.2200	6.5707
31.6	0.2107	1.0533	6.0373	36.7	0.2447	1.2233	6.5813
31.7	0.2113	1.0567	6.0480	36.8	0.2453	1.2267	6.5920
31.8	0.2120	1.0600	6.0587	36.9	0.2460	1.2300	6.6027
31.9	0.2127	1.0633	6.0693	37.0	0.2467	1.2333	6.6133
32.0	0.2133	1.0667	6.0800	37.1	0.2473	1.2367	6.6240
32.1	0.2140	1.0700	6.0907	37.2	0.2480	1.2400	6.6347
32.2	0.2147	1.0733	6.1013	37.3	0.2487	1.2433	6.6453
32.3	0.2153	1.0767	6.1120	37.4	0.2493	1.2467	6.6560
32.4	0.2160	1.0800	6.1227	37.5	0.2500	1.2500	6.6667
32.5	0.2167	1.0833	6.1333	37.6	0.2507	1.2533	6.6773
32.6	0.2173	1.0867	6.1440	37.7	0.2513	1.2567	6.6880
32.7	0.2180	1.0900	6.1547	37.8	0.2520	1.2600	6.6987
32.8	0.2187	1.0933	6.1653	37.9	0.2527	1.2633	6.7093
32.9	0.2193	1.0967	6.1760	38.0	0.2533	1.2667	6.7200
33.0	0.2200	1.1000	6.1867	38.1	0.2540	1.2700	6.7307
33.1	0.2207	1.1033	6.1973	38.2	0.2547	1.2733	6.7413
33.2	0.2213	1.1067	6.2080	38.3	0.2553	1.2767	6.7520
33.3	0.2220	1.1100	6.2187	38.4	0.2560	1.2800	6.7627
33.4	0.2227	1.1133	6.2293	38.5	0.2567	1.2833	6.7733
33.5	0.2233	1.1167	6.2400	38.6	0.2573	1.2867	6.7840
33.6	0.2240	1.1200	6.2507	38.7	0.2580	1.2900	6.7947
33.7	0.2247	1.1233	6.2613	38.8	0.2587	1.2933	6.8053
33.8	0.2253	1.1267	6.2720	38.9	0.2593	1.2967	6.8160
33.9	0.2260	1.1300	6.2827	39.0	0.2600	1.3000	6.8267
34.0	0.2267	1.1333	6.2933	39.1	0.2607	1.3033	6.8373
34.1	0.2273	1.1367	6.3040	39.2	0.2613	1.3067	6.8480
34.2	0.2280	1.1400	6.3147	39.3	0.2620	1.3100	6.8587
34.3	0.2287	1.1433	6.3253	39.4	0.2627	1.3133	6.8693
34.4	0.2293	1.1467	6.3360	39.5	0.2633	1.3167	6.8800
34.5	0.2300	1.1500	6.3467	39.6	0.2640	1.3200	6.8907
34.6	0.2307	1.1533	6.3573	39.7	0.2647	1.3233	6.9013
34.7	0.2313	1.1567	6.3680	39.8	0.2653	1.3267	6.9120
34.8	0.2320	1.1600	6.3787	39.9	0.2660	1.3300	6.9227
34.9	0.2327	1.1633	6.3893	40.0	0.2667	1.3333	6.9333
35.0	0.2333	1.1667	6.4000	40.1	0.2673	1.3367	6.9440
35.1	0.2340	1.1700	6.4107	40.2	0.2680	1.3400	6.9547

## Output Board Reference Guide – 310, 370, 3110, and 3950 Series

Temp C	0-1V Output	0-5V Output	4-20mA Output	Temp C	0-1V Output	0-5V Output	4-20mA Output
40.4	0.2693	1.3467	6.9760	45.5	0.3033	1.5167	7.5200
40.5	0.2700	1.3500	6.9867	45.6	0.3040	1.5200	7.5307
40.6	0.2707	1.3533	6.9973	45.7	0.3047	1.5233	7.5413
40.7	0.2713	1.3567	7.0080	45.8	0.3053	1.5267	7.5520
40.8	0.2720	1.3600	7.0187	45.9	0.3060	1.5300	7.5627
40.9	0.2727	1.3633	7.0293	46.0	0.3067	1.5333	7.5733
41.0	0.2733	1.3667	7.0400	46.1	0.3073	1.5367	7.5840
41.1	0.2740	1.3700	7.0507	46.2	0.3080	1.5400	7.5947
41.2	0.2747	1.3733	7.0613	46.3	0.3087	1.5433	7.6053
41.3	0.2753	1.3767	7.0720	46.4	0.3093	1.5467	7.6160
41.4	0.2760	1.3800	7.0827	46.5	0.3100	1.5500	7.6267
41.5	0.2767	1.3833	7.0933	46.6	0.3107	1.5533	7.6373
41.6	0.2773	1.3867	7.1040	46.7	0.3113	1.5567	7.6480
41.7	0.2780	1.3900	7.1147	46.8	0.3120	1.5600	7.6587
41.8	0.2787	1.3933	7.1253	46.9	0.3127	1.5633	7.6693
41.9	0.2793	1.3967	7.1360	47.0	0.3133	1.5667	7.6800
42.0	0.2800	1.4000	7.1467	47.1	0.3140	1.5700	7.6907
42.1	0.2807	1.4033	7.1573	47.2	0.3147	1.5733	7.7013
42.2	0.2813	1.4067	7.1680	47.3	0.3153	1.5767	7.7120
42.3	0.2820	1.4100	7.1787	47.4	0.3160	1.5800	7.7227
42.4	0.2827	1.4133	7.1893	47.5	0.3167	1.5833	7.7333
42.5	0.2833	1.4167	7.2000	47.6	0.3173	1.5867	7.7440
42.6	0.2840	1.4200	7.2107	47.7	0.3180	1.5900	7.7547
42.7	0.2847	1.4233	7.2213	47.8	0.3187	1.5933	7.7653
42.8	0.2853	1.4267	7.2320	47.9	0.3193	1.5967	7.7760
42.9	0.2860	1.4300	7.2427	48.0	0.3200	1.6000	7.7867
43.0	0.2867	1.4333	7.2533	48.1	0.3207	1.6033	7.7973
43.1	0.2873	1.4367	7.2640	48.2	0.3213	1.6067	7.8080
43.2	0.2880	1.4400	7.2747	48.3	0.3220	1.6100	7.8187
43.3	0.2887	1.4433	7.2853	48.4	0.3227	1.6133	7.8293
43.4	0.2893	1.4467	7.2960	48.5	0.3233	1.6167	7.8400
43.5	0.2900	1.4500	7.3067	48.6	0.3240	1.6200	7.8507
43.6	0.2907	1.4533	7.3173	48.7	0.3247	1.6233	7.8613
43.7	0.2913	1.4567	7.3280	48.8	0.3253	1.6267	7.8720
43.8	0.2920	1.4600	7.3387	48.9	0.3260	1.6300	7.8827
43.9	0.2927	1.4633	7.3493	49.0	0.3267	1.6333	7.8933
44.0	0.2933	1.4667	7.3600	49.1	0.3273	1.6367	7.9040
44.1	0.2940	1.4700	7.3707	49.2	0.3280	1.6400	7.9147
44.2	0.2947	1.4733	7.3813	49.3	0.3287	1.6433	7.9253
44.3	0.2953	1.4767	7.3920	49.4	0.3293	1.6467	7.9360
44.4	0.2960	1.4800	7.4027	49.5	0.3300	1.6500	7.9467
44.5	0.2967	1.4833	7.4133	49.6	0.3307	1.6533	7.9573
44.6	0.2973	1.4867	7.4240	49.7	0.3313	1.6567	7.9680
44.7	0.2980	1.4900	7.4347	49.8	0.3320	1.6600	7.9787
44.8	0.2987	1.4933	7.4453	49.9	0.3327	1.6633	7.9893
44.9	0.2993	1.4967	7.4560	50.0	0.3333	1.6667	8.0000
45.0	0.3000	1.5000	7.4667	50.1	0.3340	1.6700	8.0107
45.1	0.3007	1.5033	7.4773	50.2	0.3347	1.6733	8.0213
45.2	0.3013	1.5067	7.4880	50.3	0.3353	1.6767	8.0320
45.3	0.3020	1.5100	7.4987	50.4	0.3360	1.6800	8.0427

## Output Board Reference Guide – 310, 370, 3110, and 3950 Series

Temp C	0-1V Output	0-5V Output	4-20mA Output	Temp C	0-1V Output	0-5V Output	4-20mA Output
50.6	0.3373	1.6867	8.0640	55.7	0.3713	1.8567	8.6080
50.7	0.3380	1.6900	8.0747	55.8	0.3720	1.8600	8.6187
50.8	0.3387	1.6933	8.0853	55.9	0.3727	1.8633	8.6293
50.9	0.3393	1.6967	8.0960	56.0	0.3733	1.8667	8.6400
51.0	0.3400	1.7000	8.1067	56.1	0.3740	1.8700	8.6507
51.1	0.3407	1.7033	8.1173	56.2	0.3747	1.8733	8.6613
51.2	0.3413	1.7067	8.1280	56.3	0.3753	1.8767	8.6720
51.3	0.3420	1.7100	8.1387	56.4	0.3760	1.8800	8.6827
51.4	0.3427	1.7133	8.1493	56.5	0.3767	1.8833	8.6933
51.5	0.3433	1.7167	8.1600	56.6	0.3773	1.8867	8.7040
51.6	0.3440	1.7200	8.1707	56.7	0.3780	1.8900	8.7147
51.7	0.3447	1.7233	8.1813	56.8	0.3787	1.8933	8.7253
51.8	0.3453	1.7267	8.1920	56.9	0.3793	1.8967	8.7360
51.9	0.3460	1.7300	8.2027	57.0	0.3800	1.9000	8.7467
52.0	0.3467	1.7333	8.2133	57.1	0.3807	1.9033	8.7573
52.1	0.3473	1.7367	8.2240	57.2	0.3813	1.9067	8.7680
52.2	0.3480	1.7400	8.2347	57.3	0.3820	1.9100	8.7787
52.3	0.3487	1.7433	8.2453	57.4	0.3827	1.9133	8.7893
52.4	0.3493	1.7467	8.2560	57.5	0.3833	1.9167	8.8000
52.5	0.3500	1.7500	8.2667	57.6	0.3840	1.9200	8.8107
52.6	0.3507	1.7533	8.2773	57.7	0.3847	1.9233	8.8213
52.7	0.3513	1.7567	8.2880	57.8	0.3853	1.9267	8.8320
52.8	0.3520	1.7600	8.2987	57.9	0.3860	1.9300	8.8427
52.9	0.3527	1.7633	8.3093	58.0	0.3867	1.9333	8.8533
53.0	0.3533	1.7667	8.3200	58.1	0.3873	1.9367	8.8640
53.1	0.3540	1.7700	8.3307	58.2	0.3880	1.9400	8.8747
53.2	0.3547	1.7733	8.3413	58.3	0.3887	1.9433	8.8853
53.3	0.3553	1.7767	8.3520	58.4	0.3893	1.9467	8.8960
53.4	0.3560	1.7800	8.3627	58.5	0.3900	1.9500	8.9067
53.5	0.3567	1.7833	8.3733	58.6	0.3907	1.9533	8.9173
53.6	0.3573	1.7867	8.3840	58.7	0.3913	1.9567	8.9280
53.7	0.3580	1.7900	8.3947	58.8	0.3920	1.9600	8.9387
53.8	0.3587	1.7933	8.4053	58.9	0.3927	1.9633	8.9493
53.9	0.3593	1.7967	8.4160	59.0	0.3933	1.9667	8.9600
54.0	0.3600	1.8000	8.4267	59.1	0.3940	1.9700	8.9707
54.1	0.3607	1.8033	8.4373	59.2	0.3947	1.9733	8.9813
54.2	0.3613	1.8067	8.4480	59.3	0.3953	1.9767	8.9920
54.3	0.3620	1.8100	8.4587	59.4	0.3960	1.9800	9.0027
54.4	0.3627	1.8133	8.4693	59.5	0.3967	1.9833	9.0133
54.5	0.3633	1.8167	8.4800	59.6	0.3973	1.9867	9.0240
54.6	0.3640	1.8200	8.4907	59.7	0.3980	1.9900	9.0347
54.7	0.3647	1.8233	8.5013	59.8	0.3987	1.9933	9.0453
54.8	0.3653	1.8267	8.5120	59.9	0.3993	1.9967	9.0560
54.9	0.3660	1.8300	8.5227	60.0	0.4000	2.0000	9.0667
55.0	0.3667	1.8333	8.5333	60.1	0.4007	2.0033	9.0773
55.1	0.3673	1.8367	8.5440	60.2	0.4013	2.0067	9.0880
55.2	0.3680	1.8400	8.5547	60.3	0.4020	2.0100	9.0987
55.3	0.3687	1.8433	8.5653	60.4	0.4027	2.0133	9.1093
55.4	0.3693	1.8467	8.5760	60.5	0.4033	2.0167	9.1200
55.5	0.3700	1.8500	8.5867	60.6	0.4040	2.0200	9.1307

## Output Board Reference Guide – 310, 370, 3110, and 3950 Series

Temp C	0-1V Output	0-5V Output	4-20mA Output	Temp C	0-1V Output	0-5V Output	4-20mA Output
60.8	0.4053	2.0267	9.1520	65.9	0.4393	2.1967	9.6960
60.9	0.4060	2.0300	9.1627	66.0	0.4400	2.2000	9.7067
61.0	0.4067	2.0333	9.1733	66.1	0.4407	2.2033	9.7173
61.1	0.4073	2.0367	9.1840	66.2	0.4413	2.2067	9.7280
61.2	0.4080	2.0400	9.1947	66.3	0.4420	2.2100	9.7387
61.3	0.4087	2.0433	9.2053	66.4	0.4427	2.2133	9.7493
61.4	0.4093	2.0467	9.2160	66.5	0.4433	2.2167	9.7600
61.5	0.4100	2.0500	9.2267	66.6	0.4440	2.2200	9.7707
61.6	0.4107	2.0533	9.2373	66.7	0.4447	2.2233	9.7813
61.7	0.4113	2.0567	9.2480	66.8	0.4453	2.2267	9.7920
61.8	0.4120	2.0600	9.2587	66.9	0.4460	2.2300	9.8027
61.9	0.4127	2.0633	9.2693	67.0	0.4467	2.2333	9.8133
62.0	0.4133	2.0667	9.2800	67.1	0.4473	2.2367	9.8240
62.1	0.4140	2.0700	9.2907	67.2	0.4480	2.2400	9.8347
62.2	0.4147	2.0733	9.3013	67.3	0.4487	2.2433	9.8453
62.3	0.4153	2.0767	9.3120	67.4	0.4493	2.2467	9.8560
62.4	0.4160	2.0800	9.3227	67.5	0.4500	2.2500	9.8667
62.5	0.4167	2.0833	9.3333	67.6	0.4507	2.2533	9.8773
62.6	0.4173	2.0867	9.3440	67.7	0.4513	2.2567	9.8880
62.7	0.4180	2.0900	9.3547	67.8	0.4520	2.2600	9.8987
62.8	0.4187	2.0933	9.3653	67.9	0.4527	2.2633	9.9093
62.9	0.4193	2.0967	9.3760	68.0	0.4533	2.2667	9.9200
63.0	0.4200	2.1000	9.3867	68.1	0.4540	2.2700	9.9307
63.1	0.4207	2.1033	9.3973	68.2	0.4547	2.2733	9.9413
63.2	0.4213	2.1067	9.4080	68.3	0.4553	2.2767	9.9520
63.3	0.4220	2.1100	9.4187	68.4	0.4560	2.2800	9.9627
63.4	0.4227	2.1133	9.4293	68.5	0.4567	2.2833	9.9733
63.5	0.4233	2.1167	9.4400	68.6	0.4573	2.2867	9.9840
63.6	0.4240	2.1200	9.4507	68.7	0.4580	2.2900	9.9947
63.7	0.4247	2.1233	9.4613	68.8	0.4587	2.2933	10.0053
63.8	0.4253	2.1267	9.4720	68.9	0.4593	2.2967	10.0160
63.9	0.4260	2.1300	9.4827	69.0	0.4600	2.3000	10.0267
64.0	0.4267	2.1333	9.4933	69.1	0.4607	2.3033	10.0373
64.1	0.4273	2.1367	9.5040	69.2	0.4613	2.3067	10.0480
64.2	0.4280	2.1400	9.5147	69.3	0.4620	2.3100	10.0587
64.3	0.4287	2.1433	9.5253	69.4	0.4627	2.3133	10.0693
64.4	0.4293	2.1467	9.5360	69.5	0.4633	2.3167	10.0800
64.5	0.4300	2.1500	9.5467	69.6	0.4640	2.3200	10.0907
64.6	0.4307	2.1533	9.5573	69.7	0.4647	2.3233	10.1013
64.7	0.4313	2.1567	9.5680	69.8	0.4653	2.3267	10.1120
64.8	0.4320	2.1600	9.5787	69.9	0.4660	2.3300	10.1227
64.9	0.4327	2.1633	9.5893	70.0	0.4667	2.3333	10.1333
65.0	0.4333	2.1667	9.6000	70.1	0.4673	2.3367	10.1440
65.1	0.4340	2.1700	9.6107	70.2	0.4680	2.3400	10.1547
65.2	0.4347	2.1733	9.6213	70.3	0.4687	2.3433	10.1653
65.3	0.4353	2.1767	9.6320	70.4	0.4693	2.3467	10.1760
65.4	0.4360	2.1800	9.6427	70.5	0.4700	2.3500	10.1867
65.5	0.4367	2.1833	9.6533	70.6	0.4707	2.3533	10.1973
65.6	0.4373	2.1867	9.6640	70.7	0.4713	2.3567	10.2080
65.7	0.4380	2.1900	9.6747	70.8	0.4720	2.3600	10.2187

## Output Board Reference Guide – 310, 370, 3110, and 3950 Series

Temp C	0-1V Output	0-5V Output	4-20mA Output	Temp C	0-1V Output	0-5V Output	4-20mA Output
71.0	0.4733	2.3667	10.2400	76.1	0.5073	2.5367	10.7840
71.1	0.4740	2.3700	10.2507	76.2	0.5080	2.5400	10.7947
71.2	0.4747	2.3733	10.2613	76.3	0.5087	2.5433	10.8053
71.3	0.4753	2.3767	10.2720	76.4	0.5093	2.5467	10.8160
71.4	0.4760	2.3800	10.2827	76.5	0.5100	2.5500	10.8267
71.5	0.4767	2.3833	10.2933	76.6	0.5107	2.5533	10.8373
71.6	0.4773	2.3867	10.3040	76.7	0.5113	2.5567	10.8480
71.7	0.4780	2.3900	10.3147	76.8	0.5120	2.5600	10.8587
71.8	0.4787	2.3933	10.3253	76.9	0.5127	2.5633	10.8693
71.9	0.4793	2.3967	10.3360	77.0	0.5133	2.5667	10.8800
72.0	0.4800	2.4000	10.3467	77.1	0.5140	2.5700	10.8907
72.1	0.4807	2.4033	10.3573	77.2	0.5147	2.5733	10.9013
72.2	0.4813	2.4067	10.3680	77.3	0.5153	2.5767	10.9120
72.3	0.4820	2.4100	10.3787	77.4	0.5160	2.5800	10.9227
72.4	0.4827	2.4133	10.3893	77.5	0.5167	2.5833	10.9333
72.5	0.4833	2.4167	10.4000	77.6	0.5173	2.5867	10.9440
72.6	0.4840	2.4200	10.4107	77.7	0.5180	2.5900	10.9547
72.7	0.4847	2.4233	10.4213	77.8	0.5187	2.5933	10.9653
72.8	0.4853	2.4267	10.4320	77.9	0.5193	2.5967	10.9760
72.9	0.4860	2.4300	10.4427	78.0	0.5200	2.6000	10.9867
73.0	0.4867	2.4333	10.4533	78.1	0.5207	2.6033	10.9973
73.1	0.4873	2.4367	10.4640	78.2	0.5213	2.6067	11.0080
73.2	0.4880	2.4400	10.4747	78.3	0.5220	2.6100	11.0187
73.3	0.4887	2.4433	10.4853	78.4	0.5227	2.6133	11.0293
73.4	0.4893	2.4467	10.4960	78.5	0.5233	2.6167	11.0400
73.5	0.4900	2.4500	10.5067	78.6	0.5240	2.6200	11.0507
73.6	0.4907	2.4533	10.5173	78.7	0.5247	2.6233	11.0613
73.7	0.4913	2.4567	10.5280	78.8	0.5253	2.6267	11.0720
73.8	0.4920	2.4600	10.5387	78.9	0.5260	2.6300	11.0827
73.9	0.4927	2.4633	10.5493	79.0	0.5267	2.6333	11.0933
74.0	0.4933	2.4667	10.5600	79.1	0.5273	2.6367	11.1040
74.1	0.4940	2.4700	10.5707	79.2	0.5280	2.6400	11.1147
74.2	0.4947	2.4733	10.5813	79.3	0.5287	2.6433	11.1253
74.3	0.4953	2.4767	10.5920	79.4	0.5293	2.6467	11.1360
74.4	0.4960	2.4800	10.6027	79.5	0.5300	2.6500	11.1467
74.5	0.4967	2.4833	10.6133	79.6	0.5307	2.6533	11.1573
74.6	0.4973	2.4867	10.6240	79.7	0.5313	2.6567	11.1680
74.7	0.4980	2.4900	10.6347	79.8	0.5320	2.6600	11.1787
74.8	0.4987	2.4933	10.6453	79.9	0.5327	2.6633	11.1893
74.9	0.4993	2.4967	10.6560	80.0	0.5333	2.6667	11.2000
75.0	0.5000	2.5000	10.6667	80.1	0.5340	2.6700	11.2107
75.1	0.5007	2.5033	10.6773	80.2	0.5347	2.6733	11.2213
75.2	0.5013	2.5067	10.6880	80.3	0.5353	2.6767	11.2320
75.3	0.5020	2.5100	10.6987	80.4	0.5360	2.6800	11.2427
75.4	0.5027	2.5133	10.7093	80.5	0.5367	2.6833	11.2533
75.5	0.5033	2.5167	10.7200	80.6	0.5373	2.6867	11.2640
75.6	0.5040	2.5200	10.7307	80.7	0.5380	2.6900	11.2747
75.7	0.5047	2.5233	10.7413	80.8	0.5387	2.6933	11.2853
75.8	0.5053	2.5267	10.7520	80.9	0.5393	2.6967	11.2960
75.9	0.5060	2.5300	10.7627	81.0	0.5400	2.7000	11.3067

## Output Board Reference Guide – 310, 370, 3110, and 3950 Series

Temp C	0-1V Output	0-5V Output	4-20mA Output	Temp C	0-1V Output	0-5V Output	4-20mA Output
81.2	0.5413	2.7067	11.3280	86.3	0.5753	2.8767	11.8720
81.3	0.5420	2.7100	11.3387	86.4	0.5760	2.8800	11.8827
81.4	0.5427	2.7133	11.3493	86.5	0.5767	2.8833	11.8933
81.5	0.5433	2.7167	11.3600	86.6	0.5773	2.8867	11.9040
81.6	0.5440	2.7200	11.3707	86.7	0.5780	2.8900	11.9147
81.7	0.5447	2.7233	11.3813	86.8	0.5787	2.8933	11.9253
81.8	0.5453	2.7267	11.3920	86.9	0.5793	2.8967	11.9360
81.9	0.5460	2.7300	11.4027	87.0	0.5800	2.9000	11.9467
82.0	0.5467	2.7333	11.4133	87.1	0.5807	2.9033	11.9573
82.1	0.5473	2.7367	11.4240	87.2	0.5813	2.9067	11.9680
82.2	0.5480	2.7400	11.4347	87.3	0.5820	2.9100	11.9787
82.3	0.5487	2.7433	11.4453	87.4	0.5827	2.9133	11.9893
82.4	0.5493	2.7467	11.4560	87.5	0.5833	2.9167	12.0000
82.5	0.5500	2.7500	11.4667	87.6	0.5840	2.9200	12.0107
82.6	0.5507	2.7533	11.4773	87.7	0.5847	2.9233	12.0213
82.7	0.5513	2.7567	11.4880	87.8	0.5853	2.9267	12.0320
82.8	0.5520	2.7600	11.4987	87.9	0.5860	2.9300	12.0427
82.9	0.5527	2.7633	11.5093	88.0	0.5867	2.9333	12.0533
83.0	0.5533	2.7667	11.5200	88.1	0.5873	2.9367	12.0640
83.1	0.5540	2.7700	11.5307	88.2	0.5880	2.9400	12.0747
83.2	0.5547	2.7733	11.5413	88.3	0.5887	2.9433	12.0853
83.3	0.5553	2.7767	11.5520	88.4	0.5893	2.9467	12.0960
83.4	0.5560	2.7800	11.5627	88.5	0.5900	2.9500	12.1067
83.5	0.5567	2.7833	11.5733	88.6	0.5907	2.9533	12.1173
83.6	0.5573	2.7867	11.5840	88.7	0.5913	2.9567	12.1280
83.7	0.5580	2.7900	11.5947	88.8	0.5920	2.9600	12.1387
83.8	0.5587	2.7933	11.6053	88.9	0.5927	2.9633	12.1493
83.9	0.5593	2.7967	11.6160	89.0	0.5933	2.9667	12.1600
84.0	0.5600	2.8000	11.6267	89.1	0.5940	2.9700	12.1707
84.1	0.5607	2.8033	11.6373	89.2	0.5947	2.9733	12.1813
84.2	0.5613	2.8067	11.6480	89.3	0.5953	2.9767	12.1920
84.3	0.5620	2.8100	11.6587	89.4	0.5960	2.9800	12.2027
84.4	0.5627	2.8133	11.6693	89.5	0.5967	2.9833	12.2133
84.5	0.5633	2.8167	11.6800	89.6	0.5973	2.9867	12.2240
84.6	0.5640	2.8200	11.6907	89.7	0.5980	2.9900	12.2347
84.7	0.5647	2.8233	11.7013	89.8	0.5987	2.9933	12.2453
84.8	0.5653	2.8267	11.7120	89.9	0.5993	2.9967	12.2560
84.9	0.5660	2.8300	11.7227	90.0	0.6000	3.0000	12.2667
85.0	0.5667	2.8333	11.7333	90.1	0.6007	3.0033	12.2773
85.1	0.5673	2.8367	11.7440	90.2	0.6013	3.0067	12.2880
85.2	0.5680	2.8400	11.7547	90.3	0.6020	3.0100	12.2987
85.3	0.5687	2.8433	11.7653	90.4	0.6027	3.0133	12.3093
85.4	0.5693	2.8467	11.7760	90.5	0.6033	3.0167	12.3200
85.5	0.5700	2.8500	11.7867	90.6	0.6040	3.0200	12.3307
85.6	0.5707	2.8533	11.7973	90.7	0.6047	3.0233	12.3413
85.7	0.5713	2.8567	11.8080	90.8	0.6053	3.0267	12.3520
85.8	0.5720	2.8600	11.8187	90.9	0.6060	3.0300	12.3627
85.9	0.5727	2.8633	11.8293	91.0	0.6067	3.0333	12.3733
86.0	0.5733	2.8667	11.8400	91.1	0.6073	3.0367	12.3840
86.1	0.5740	2.8700	11.8507	91.2	0.6080	3.0400	12.3947

## Output Board Reference Guide – 310, 370, 3110, and 3950 Series

Temp C	0-1V Output	0-5V Output	4-20mA Output	Temp C	0-1V Output	0-5V Output	4-20mA Output
91.4	0.6093	3.0467	12.4160	96.5	0.6433	3.2167	12.9600
91.5	0.6100	3.0500	12.4267	96.6	0.6440	3.2200	12.9707
91.6	0.6107	3.0533	12.4373	96.7	0.6447	3.2233	12.9813
91.7	0.6113	3.0567	12.4480	96.8	0.6453	3.2267	12.9920
91.8	0.6120	3.0600	12.4587	96.9	0.6460	3.2300	13.0027
91.9	0.6127	3.0633	12.4693	97.0	0.6467	3.2333	13.0133
92.0	0.6133	3.0667	12.4800	97.1	0.6473	3.2367	13.0240
92.1	0.6140	3.0700	12.4907	97.2	0.6480	3.2400	13.0347
92.2	0.6147	3.0733	12.5013	97.3	0.6487	3.2433	13.0453
92.3	0.6153	3.0767	12.5120	97.4	0.6493	3.2467	13.0560
92.4	0.6160	3.0800	12.5227	97.5	0.6500	3.2500	13.0667
92.5	0.6167	3.0833	12.5333	97.6	0.6507	3.2533	13.0773
92.6	0.6173	3.0867	12.5440	97.7	0.6513	3.2567	13.0880
92.7	0.6180	3.0900	12.5547	97.8	0.6520	3.2600	13.0987
92.8	0.6187	3.0933	12.5653	97.9	0.6527	3.2633	13.1093
92.9	0.6193	3.0967	12.5760	98.0	0.6533	3.2667	13.1200
93.0	0.6200	3.1000	12.5867	98.1	0.6540	3.2700	13.1307
93.1	0.6207	3.1033	12.5973	98.2	0.6547	3.2733	13.1413
93.2	0.6213	3.1067	12.6080	98.3	0.6553	3.2767	13.1520
93.3	0.6220	3.1100	12.6187	98.4	0.6560	3.2800	13.1627
93.4	0.6227	3.1133	12.6293	98.5	0.6567	3.2833	13.1733
93.5	0.6233	3.1167	12.6400	98.6	0.6573	3.2867	13.1840
93.6	0.6240	3.1200	12.6507	98.7	0.6580	3.2900	13.1947
93.7	0.6247	3.1233	12.6613	98.8	0.6587	3.2933	13.2053
93.8	0.6253	3.1267	12.6720	98.9	0.6593	3.2967	13.2160
93.9	0.6260	3.1300	12.6827	99.0	0.6600	3.3000	13.2267
94.0	0.6267	3.1333	12.6933	99.1	0.6607	3.3033	13.2373
94.1	0.6273	3.1367	12.7040	99.2	0.6613	3.3067	13.2480
94.2	0.6280	3.1400	12.7147	99.3	0.6620	3.3100	13.2587
94.3	0.6287	3.1433	12.7253	99.4	0.6627	3.3133	13.2693
94.4	0.6293	3.1467	12.7360	99.5	0.6633	3.3167	13.2800
94.5	0.6300	3.1500	12.7467	99.6	0.6640	3.3200	13.2907
94.6	0.6307	3.1533	12.7573	99.7	0.6647	3.3233	13.3013
94.7	0.6313	3.1567	12.7680	99.8	0.6653	3.3267	13.3120
94.8	0.6320	3.1600	12.7787	99.9	0.6660	3.3300	13.3227
94.9	0.6327	3.1633	12.7893	100.0	0.6667	3.3333	13.3333
95.0	0.6333	3.1667	12.8000	100.1	0.6673	3.3367	13.3440
95.1	0.6340	3.1700	12.8107	100.2	0.6680	3.3400	13.3547
95.2	0.6347	3.1733	12.8213	100.3	0.6687	3.3433	13.3653
95.3	0.6353	3.1767	12.8320	100.4	0.6693	3.3467	13.3760
95.4	0.6360	3.1800	12.8427	100.5	0.6700	3.3500	13.3867
95.5	0.6367	3.1833	12.8533	100.6	0.6707	3.3533	13.3973
95.6	0.6373	3.1867	12.8640	100.7	0.6713	3.3567	13.4080
95.7	0.6380	3.1900	12.8747	100.8	0.6720	3.3600	13.4187
95.8	0.6387	3.1933	12.8853	100.9	0.6727	3.3633	13.4293
95.9	0.6393	3.1967	12.8960	101.0	0.6733	3.3667	13.4400
96.0	0.6400	3.2000	12.9067	101.1	0.6740	3.3700	13.4507
96.1	0.6407	3.2033	12.9173	101.2	0.6747	3.3733	13.4613
96.2	0.6413	3.2067	12.9280	101.3	0.6753	3.3767	13.4720
96.3	0.6420	3.2100	12.9387	101.4	0.6760	3.3800	13.4827

## Output Board Reference Guide – 310, 370, 3110, and 3950 Series

Temp C	0-1V Output	0-5V Output	4-20mA Output	Temp C	0-1V Output	0-5V Output	4-20mA Output
101.6	0.6773	3.3867	13.5040	106.7	0.7113	3.5567	14.0480
101.7	0.6780	3.3900	13.5147	106.8	0.7120	3.5600	14.0587
101.8	0.6787	3.3933	13.5253	106.9	0.7127	3.5633	14.0693
101.9	0.6793	3.3967	13.5360	107.0	0.7133	3.5667	14.0800
102.0	0.6800	3.4000	13.5467	107.1	0.7140	3.5700	14.0907
102.1	0.6807	3.4033	13.5573	107.2	0.7147	3.5733	14.1013
102.2	0.6813	3.4067	13.5680	107.3	0.7153	3.5767	14.1120
102.3	0.6820	3.4100	13.5787	107.4	0.7160	3.5800	14.1227
102.4	0.6827	3.4133	13.5893	107.5	0.7167	3.5833	14.1333
102.5	0.6833	3.4167	13.6000	107.6	0.7173	3.5867	14.1440
102.6	0.6840	3.4200	13.6107	107.7	0.7180	3.5900	14.1547
102.7	0.6847	3.4233	13.6213	107.8	0.7187	3.5933	14.1653
102.8	0.6853	3.4267	13.6320	107.9	0.7193	3.5967	14.1760
102.9	0.6860	3.4300	13.6427	108.0	0.7200	3.6000	14.1867
103.0	0.6867	3.4333	13.6533	108.1	0.7207	3.6033	14.1973
103.1	0.6873	3.4367	13.6640	108.2	0.7213	3.6067	14.2080
103.2	0.6880	3.4400	13.6747	108.3	0.7220	3.6100	14.2187
103.3	0.6887	3.4433	13.6853	108.4	0.7227	3.6133	14.2293
103.4	0.6893	3.4467	13.6960	108.5	0.7233	3.6167	14.2400
103.5	0.6900	3.4500	13.7067	108.6	0.7240	3.6200	14.2507
103.6	0.6907	3.4533	13.7173	108.7	0.7247	3.6233	14.2613
103.7	0.6913	3.4567	13.7280	108.8	0.7253	3.6267	14.2720
103.8	0.6920	3.4600	13.7387	108.9	0.7260	3.6300	14.2827
103.9	0.6927	3.4633	13.7493	109.0	0.7267	3.6333	14.2933
104.0	0.6933	3.4667	13.7600	109.1	0.7273	3.6367	14.3040
104.1	0.6940	3.4700	13.7707	109.2	0.7280	3.6400	14.3147
104.2	0.6947	3.4733	13.7813	109.3	0.7287	3.6433	14.3253
104.3	0.6953	3.4767	13.7920	109.4	0.7293	3.6467	14.3360
104.4	0.6960	3.4800	13.8027	109.5	0.7300	3.6500	14.3467
104.5	0.6967	3.4833	13.8133	109.6	0.7307	3.6533	14.3573
104.6	0.6973	3.4867	13.8240	109.7	0.7313	3.6567	14.3680
104.7	0.6980	3.4900	13.8347	109.8	0.7320	3.6600	14.3787
104.8	0.6987	3.4933	13.8453	109.9	0.7327	3.6633	14.3893
104.9	0.6993	3.4967	13.8560	110.0	0.7333	3.6667	14.4000
105.0	0.7000	3.5000	13.8667	110.1	0.7340	3.6700	14.4107
105.1	0.7007	3.5033	13.8773	110.2	0.7347	3.6733	14.4213
105.2	0.7013	3.5067	13.8880	110.3	0.7353	3.6767	14.4320
105.3	0.7020	3.5100	13.8987	110.4	0.7360	3.6800	14.4427
105.4	0.7027	3.5133	13.9093	110.5	0.7367	3.6833	14.4533
105.5	0.7033	3.5167	13.9200	110.6	0.7373	3.6867	14.4640
105.6	0.7040	3.5200	13.9307	110.7	0.7380	3.6900	14.4747
105.7	0.7047	3.5233	13.9413	110.8	0.7387	3.6933	14.4853
105.8	0.7053	3.5267	13.9520	110.9	0.7393	3.6967	14.4960
105.9	0.7060	3.5300	13.9627	111.0	0.7400	3.7000	14.5067
106.0	0.7067	3.5333	13.9733	111.1	0.7407	3.7033	14.5173
106.1	0.7073	3.5367	13.9840	111.2	0.7413	3.7067	14.5280
106.2	0.7080	3.5400	13.9947	111.3	0.7420	3.7100	14.5387
106.3	0.7087	3.5433	14.0053	111.4	0.7427	3.7133	14.5493
106.4	0.7093	3.5467	14.0160	111.5	0.7433	3.7167	14.5600
106.5	0.7100	3.5500	14.0267	111.6	0.7440	3.7200	14.5707

## Output Board Reference Guide – 310, 370, 3110, and 3950 Series

Temp C	0-1V Output	0-5V Output	4-20mA Output	Temp C	0-1V Output	0-5V Output	4-20mA Output
111.8	0.7453	3.7267	14.5920	116.9	0.7793	3.8967	15.1360
111.9	0.7460	3.7300	14.6027	117.0	0.7800	3.9000	15.1467
112.0	0.7467	3.7333	14.6133	117.1	0.7807	3.9033	15.1573
112.1	0.7473	3.7367	14.6240	117.2	0.7813	3.9067	15.1680
112.2	0.7480	3.7400	14.6347	117.3	0.7820	3.9100	15.1787
112.3	0.7487	3.7433	14.6453	117.4	0.7827	3.9133	15.1893
112.4	0.7493	3.7467	14.6560	117.5	0.7833	3.9167	15.2000
112.5	0.7500	3.7500	14.6667	117.6	0.7840	3.9200	15.2107
112.6	0.7507	3.7533	14.6773	117.7	0.7847	3.9233	15.2213
112.7	0.7513	3.7567	14.6880	117.8	0.7853	3.9267	15.2320
112.8	0.7520	3.7600	14.6987	117.9	0.7860	3.9300	15.2427
112.9	0.7527	3.7633	14.7093	118.0	0.7867	3.9333	15.2533
113.0	0.7533	3.7667	14.7200	118.1	0.7873	3.9367	15.2640
113.1	0.7540	3.7700	14.7307	118.2	0.7880	3.9400	15.2747
113.2	0.7547	3.7733	14.7413	118.3	0.7887	3.9433	15.2853
113.3	0.7553	3.7767	14.7520	118.4	0.7893	3.9467	15.2960
113.4	0.7560	3.7800	14.7627	118.5	0.7900	3.9500	15.3067
113.5	0.7567	3.7833	14.7733	118.6	0.7907	3.9533	15.3173
113.6	0.7573	3.7867	14.7840	118.7	0.7913	3.9567	15.3280
113.7	0.7580	3.7900	14.7947	118.8	0.7920	3.9600	15.3387
113.8	0.7587	3.7933	14.8053	118.9	0.7927	3.9633	15.3493
113.9	0.7593	3.7967	14.8160	119.0	0.7933	3.9667	15.3600
114.0	0.7600	3.8000	14.8267	119.1	0.7940	3.9700	15.3707
114.1	0.7607	3.8033	14.8373	119.2	0.7947	3.9733	15.3813
114.2	0.7613	3.8067	14.8480	119.3	0.7953	3.9767	15.3920
114.3	0.7620	3.8100	14.8587	119.4	0.7960	3.9800	15.4027
114.4	0.7627	3.8133	14.8693	119.5	0.7967	3.9833	15.4133
114.5	0.7633	3.8167	14.8800	119.6	0.7973	3.9867	15.4240
114.6	0.7640	3.8200	14.8907	119.7	0.7980	3.9900	15.4347
114.7	0.7647	3.8233	14.9013	119.8	0.7987	3.9933	15.4453
114.8	0.7653	3.8267	14.9120	119.9	0.7993	3.9967	15.4560
114.9	0.7660	3.8300	14.9227	120.0	0.8000	4.0000	15.4667
115.0	0.7667	3.8333	14.9333	120.1	0.8007	4.0033	15.4773
115.1	0.7673	3.8367	14.9440	120.2	0.8013	4.0067	15.4880
115.2	0.7680	3.8400	14.9547	120.3	0.8020	4.0100	15.4987
115.3	0.7687	3.8433	14.9653	120.4	0.8027	4.0133	15.5093
115.4	0.7693	3.8467	14.9760	120.5	0.8033	4.0167	15.5200
115.5	0.7700	3.8500	14.9867	120.6	0.8040	4.0200	15.5307
115.6	0.7707	3.8533	14.9973	120.7	0.8047	4.0233	15.5413
115.7	0.7713	3.8567	15.0080	120.8	0.8053	4.0267	15.5520
115.8	0.7720	3.8600	15.0187	120.9	0.8060	4.0300	15.5627
115.9	0.7727	3.8633	15.0293	121.0	0.8067	4.0333	15.5733
116.0	0.7733	3.8667	15.0400	121.1	0.8073	4.0367	15.5840
116.1	0.7740	3.8700	15.0507	121.2	0.8080	4.0400	15.5947
116.2	0.7747	3.8733	15.0613	121.3	0.8087	4.0433	15.6053
116.3	0.7753	3.8767	15.0720	121.4	0.8093	4.0467	15.6160
116.4	0.7760	3.8800	15.0827	121.5	0.8100	4.0500	15.6267
116.5	0.7767	3.8833	15.0933	121.6	0.8107	4.0533	15.6373
116.6	0.7773	3.8867	15.1040	121.7	0.8113	4.0567	15.6480
116.7	0.7780	3.8900	15.1147	121.8	0.8120	4.0600	15.6587

## Output Board Reference Guide – 310, 370, 3110, and 3950 Series

Temp C	0-1V Output	0-5V Output	4-20mA Output	Temp C	0-1V Output	0-5V Output	4-20mA Output
122.0	0.8133	4.0667	15.6800	127.1	0.8473	4.2367	16.2240
122.1	0.8140	4.0700	15.6907	127.2	0.8480	4.2400	16.2347
122.2	0.8147	4.0733	15.7013	127.3	0.8487	4.2433	16.2453
122.3	0.8153	4.0767	15.7120	127.4	0.8493	4.2467	16.2560
122.4	0.8160	4.0800	15.7227	127.5	0.8500	4.2500	16.2667
122.5	0.8167	4.0833	15.7333	127.6	0.8507	4.2533	16.2773
122.6	0.8173	4.0867	15.7440	127.7	0.8513	4.2567	16.2880
122.7	0.8180	4.0900	15.7547	127.8	0.8520	4.2600	16.2987
122.8	0.8187	4.0933	15.7653	127.9	0.8527	4.2633	16.3093
122.9	0.8193	4.0967	15.7760	128.0	0.8533	4.2667	16.3200
123.0	0.8200	4.1000	15.7867	128.1	0.8540	4.2700	16.3307
123.1	0.8207	4.1033	15.7973	128.2	0.8547	4.2733	16.3413
123.2	0.8213	4.1067	15.8080	128.3	0.8553	4.2767	16.3520
123.3	0.8220	4.1100	15.8187	128.4	0.8560	4.2800	16.3627
123.4	0.8227	4.1133	15.8293	128.5	0.8567	4.2833	16.3733
123.5	0.8233	4.1167	15.8400	128.6	0.8573	4.2867	16.3840
123.6	0.8240	4.1200	15.8507	128.7	0.8580	4.2900	16.3947
123.7	0.8247	4.1233	15.8613	128.8	0.8587	4.2933	16.4053
123.8	0.8253	4.1267	15.8720	128.9	0.8593	4.2967	16.4160
123.9	0.8260	4.1300	15.8827	129.0	0.8600	4.3000	16.4267
124.0	0.8267	4.1333	15.8933	129.1	0.8607	4.3033	16.4373
124.1	0.8273	4.1367	15.9040	129.2	0.8613	4.3067	16.4480
124.2	0.8280	4.1400	15.9147	129.3	0.8620	4.3100	16.4587
124.3	0.8287	4.1433	15.9253	129.4	0.8627	4.3133	16.4693
124.4	0.8293	4.1467	15.9360	129.5	0.8633	4.3167	16.4800
124.5	0.8300	4.1500	15.9467	129.6	0.8640	4.3200	16.4907
124.6	0.8307	4.1533	15.9573	129.7	0.8647	4.3233	16.5013
124.7	0.8313	4.1567	15.9680	129.8	0.8653	4.3267	16.5120
124.8	0.8320	4.1600	15.9787	129.9	0.8660	4.3300	16.5227
124.9	0.8327	4.1633	15.9893	130.0	0.8667	4.3333	16.5333
125.0	0.8333	4.1667	16.0000	130.1	0.8673	4.3367	16.5440
125.1	0.8340	4.1700	16.0107	130.2	0.8680	4.3400	16.5547
125.2	0.8347	4.1733	16.0213	130.3	0.8687	4.3433	16.5653
125.3	0.8353	4.1767	16.0320	130.4	0.8693	4.3467	16.5760
125.4	0.8360	4.1800	16.0427	130.5	0.8700	4.3500	16.5867
125.5	0.8367	4.1833	16.0533	130.6	0.8707	4.3533	16.5973
125.6	0.8373	4.1867	16.0640	130.7	0.8713	4.3567	16.6080
125.7	0.8380	4.1900	16.0747	130.8	0.8720	4.3600	16.6187
125.8	0.8387	4.1933	16.0853	130.9	0.8727	4.3633	16.6293
125.9	0.8393	4.1967	16.0960	131.0	0.8733	4.3667	16.6400
126.0	0.8400	4.2000	16.1067	131.1	0.8740	4.3700	16.6507
126.1	0.8407	4.2033	16.1173	131.2	0.8747	4.3733	16.6613
126.2	0.8413	4.2067	16.1280	131.3	0.8753	4.3767	16.6720
126.3	0.8420	4.2100	16.1387	131.4	0.8760	4.3800	16.6827
126.4	0.8427	4.2133	16.1493	131.5	0.8767	4.3833	16.6933
126.5	0.8433	4.2167	16.1600	131.6	0.8773	4.3867	16.7040
126.6	0.8440	4.2200	16.1707	131.7	0.8780	4.3900	16.7147
126.7	0.8447	4.2233	16.1813	131.8	0.8787	4.3933	16.7253
126.8	0.8453	4.2267	16.1920	131.9	0.8793	4.3967	16.7360
126.9	0.8460	4.2300	16.2027	132.0	0.8800	4.4000	16.7467

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Temp C	0-1V Output	0-5V Output	4-20mA Output	Temp C	0-1V Output	0-5V Output	4-20mA Output
132.2	0.8813	4.4067	16.7680	137.3	0.9153	4.5767	17.3120
132.3	0.8820	4.4100	16.7787	137.4	0.9160	4.5800	17.3227
132.4	0.8827	4.4133	16.7893	137.5	0.9167	4.5833	17.3333
132.5	0.8833	4.4167	16.8000	137.6	0.9173	4.5867	17.3440
132.6	0.8840	4.4200	16.8107	137.7	0.9180	4.5900	17.3547
132.7	0.8847	4.4233	16.8213	137.8	0.9187	4.5933	17.3653
132.8	0.8853	4.4267	16.8320	137.9	0.9193	4.5967	17.3760
132.9	0.8860	4.4300	16.8427	138.0	0.9200	4.6000	17.3867
133.0	0.8867	4.4333	16.8533	138.1	0.9207	4.6033	17.3973
133.1	0.8873	4.4367	16.8640	138.2	0.9213	4.6067	17.4080
133.2	0.8880	4.4400	16.8747	138.3	0.9220	4.6100	17.4187
133.3	0.8887	4.4433	16.8853	138.4	0.9227	4.6133	17.4293
133.4	0.8893	4.4467	16.8960	138.5	0.9233	4.6167	17.4400
133.5	0.8900	4.4500	16.9067	138.6	0.9240	4.6200	17.4507
133.6	0.8907	4.4533	16.9173	138.7	0.9247	4.6233	17.4613
133.7	0.8913	4.4567	16.9280	138.8	0.9253	4.6267	17.4720
133.8	0.8920	4.4600	16.9387	138.9	0.9260	4.6300	17.4827
133.9	0.8927	4.4633	16.9493	139.0	0.9267	4.6333	17.4933
134.0	0.8933	4.4667	16.9600	139.1	0.9273	4.6367	17.5040
134.1	0.8940	4.4700	16.9707	139.2	0.9280	4.6400	17.5147
134.2	0.8947	4.4733	16.9813	139.3	0.9287	4.6433	17.5253
134.3	0.8953	4.4767	16.9920	139.4	0.9293	4.6467	17.5360
134.4	0.8960	4.4800	17.0027	139.5	0.9300	4.6500	17.5467
134.5	0.8967	4.4833	17.0133	139.6	0.9307	4.6533	17.5573
134.6	0.8973	4.4867	17.0240	139.7	0.9313	4.6567	17.5680
134.7	0.8980	4.4900	17.0347	139.8	0.9320	4.6600	17.5787
134.8	0.8987	4.4933	17.0453	139.9	0.9327	4.6633	17.5893
134.9	0.8993	4.4967	17.0560	140.0	0.9333	4.6667	17.6000
135.0	0.9000	4.5000	17.0667	140.1	0.9340	4.6700	17.6107
135.1	0.9007	4.5033	17.0773	140.2	0.9347	4.6733	17.6213
135.2	0.9013	4.5067	17.0880	140.3	0.9353	4.6767	17.6320
135.3	0.9020	4.5100	17.0987	140.4	0.9360	4.6800	17.6427
135.4	0.9027	4.5133	17.1093	140.5	0.9367	4.6833	17.6533
135.5	0.9033	4.5167	17.1200	140.6	0.9373	4.6867	17.6640
135.6	0.9040	4.5200	17.1307	140.7	0.9380	4.6900	17.6747
135.7	0.9047	4.5233	17.1413	140.8	0.9387	4.6933	17.6853
135.8	0.9053	4.5267	17.1520	140.9	0.9393	4.6967	17.6960
135.9	0.9060	4.5300	17.1627	141.0	0.9400	4.7000	17.7067
136.0	0.9067	4.5333	17.1733	141.1	0.9407	4.7033	17.7173
136.1	0.9073	4.5367	17.1840	141.2	0.9413	4.7067	17.7280
136.2	0.9080	4.5400	17.1947	141.3	0.9420	4.7100	17.7387
136.3	0.9087	4.5433	17.2053	141.4	0.9427	4.7133	17.7493
136.4	0.9093	4.5467	17.2160	141.5	0.9433	4.7167	17.7600
136.5	0.9100	4.5500	17.2267	141.6	0.9440	4.7200	17.7707
136.6	0.9107	4.5533	17.2373	141.7	0.9447	4.7233	17.7813
136.7	0.9113	4.5567	17.2480	141.8	0.9453	4.7267	17.7920
136.8	0.9120	4.5600	17.2587	141.9	0.9460	4.7300	17.8027
136.9	0.9127	4.5633	17.2693	142.0	0.9467	4.7333	17.8133
137.0	0.9133	4.5667	17.2800	142.1	0.9473	4.7367	17.8240
137.1	0.9140	4.5700	17.2907	142.2	0.9480	4.7400	17.8347

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Temp C	0-1V Output	0-5V Output	4-20mA Output	Temp C	0-1V Output	0-5V Output	4-20mA Output
142.3	0.9487	4.7433	17.8453	147.3	0.9820	4.9100	18.3787
142.4	0.9493	4.7467	17.8560	147.4	0.9827	4.9133	18.3893
142.5	0.9500	4.7500	17.8667	147.5	0.9833	4.9167	18.4000
142.6	0.9507	4.7533	17.8773	147.6	0.9840	4.9200	18.4107
142.7	0.9513	4.7567	17.8880	147.7	0.9847	4.9233	18.4213
142.8	0.9520	4.7600	17.8987	147.8	0.9853	4.9267	18.4320
142.9	0.9527	4.7633	17.9093	147.9	0.9860	4.9300	18.4427
143.0	0.9533	4.7667	17.9200	148.0	0.9867	4.9333	18.4533
143.1	0.9540	4.7700	17.9307	148.1	0.9873	4.9367	18.4640
143.2	0.9547	4.7733	17.9413	148.2	0.9880	4.9400	18.4747
143.3	0.9553	4.7767	17.9520	148.3	0.9887	4.9433	18.4853
143.4	0.9560	4.7800	17.9627	148.4	0.9893	4.9467	18.4960
143.5	0.9567	4.7833	17.9733	148.5	0.9900	4.9500	18.5067
143.6	0.9573	4.7867	17.9840	148.6	0.9907	4.9533	18.5173
143.7	0.9580	4.7900	17.9947	148.7	0.9913	4.9567	18.5280
143.8	0.9587	4.7933	18.0053	148.8	0.9920	4.9600	18.5387
143.9	0.9593	4.7967	18.0160	148.9	0.9927	4.9633	18.5493
144.0	0.9600	4.8000	18.0267	149.0	0.9933	4.9667	18.5600
144.1	0.9607	4.8033	18.0373	149.1	0.9940	4.9700	18.5707
144.2	0.9613	4.8067	18.0480	149.2	0.9947	4.9733	18.5813
144.3	0.9620	4.8100	18.0587	149.3	0.9953	4.9767	18.5920
144.4	0.9627	4.8133	18.0693	149.4	0.9960	4.9800	18.6027
144.5	0.9633	4.8167	18.0800	149.5	0.9967	4.9833	18.6133
144.6	0.9640	4.8200	18.0907	149.6	0.9973	4.9867	18.6240
144.7	0.9647	4.8233	18.1013	149.7	0.9980	4.9900	18.6347
144.8	0.9653	4.8267	18.1120	149.8	0.9987	4.9933	18.6453
144.9	0.9660	4.8300	18.1227	149.9	0.9993	4.9967	18.6560
145.0	0.9667	4.8333	18.1333	150.0	1.0000	5.0000	18.6667
145.1	0.9673	4.8367	18.1440				
145.2	0.9680	4.8400	18.1547				
145.3	0.9687	4.8433	18.1653				
145.4	0.9693	4.8467	18.1760				
145.5	0.9700	4.8500	18.1867				
145.6	0.9707	4.8533	18.1973				
145.7	0.9713	4.8567	18.2080				
145.8	0.9720	4.8600	18.2187				
145.9	0.9727	4.8633	18.2293				
146.0	0.9733	4.8667	18.2400				
146.1	0.9740	4.8700	18.2507				
146.2	0.9747	4.8733	18.2613				
146.3	0.9753	4.8767	18.2720				
146.4	0.9760	4.8800	18.2827				
146.5	0.9767	4.8833	18.2933				
146.6	0.9773	4.8867	18.3040				
146.7	0.9780	4.8900	18.3147				
146.8	0.9787	4.8933	18.3253				
146.9	0.9793	4.8967	18.3360				
147.0	0.9800	4.9000	18.3467				
147.1	0.9807	4.9033	18.3573				

