

Technical Data

*Voltage Output Chart Forma 231203 Relative Humidity
Sensor*

310, 3110 & 3950
Revision Date: May 16, 2014
More text: Here

Voltage Output Chart RH Sensor 231203

			Ref=5.0			
	Humidity	Gain=4.32	4096			
Per Cent	Sensor Volt	A/D Volts	A/D Counts	A/D Diff	Hex Diff	Hex Out
0	0.000000	0.000000	0			0
1	0.010000	0.043200	35	35	23	23
2	0.020000	0.086400	71	35	23	46
3	0.030000	0.129600	106	35	23	6A
4	0.040000	0.172800	142	35	23	8D
5	0.050000	0.216000	177	35	23	B0
6	0.060000	0.259200	212	35	23	D4
7	0.070000	0.302400	248	35	23	F7
8	0.080000	0.345600	283	35	23	11B
9	0.090000	0.388800	319	35	23	13E
10	0.100000	0.432000	354	35	23	161
11	0.110000	0.475200	389	35	23	185
12	0.120000	0.518400	425	35	23	1A8
13	0.130000	0.561600	460	35	23	1CC
14	0.140000	0.604800	495	35	23	1EF
15	0.150000	0.648000	531	35	23	212
16	0.160000	0.691200	566	35	23	236
17	0.170000	0.734400	602	35	23	259
18	0.180000	0.777600	637	35	23	27D
19	0.190000	0.820800	672	35	23	2A0
20	0.200000	0.864000	708	35	23	2C3
21	0.210000	0.907200	743	35	23	2E7
22	0.220000	0.950400	779	35	23	30A
23	0.230000	0.993600	814	35	23	32D
24	0.240000	1.036800	849	35	23	351
25	0.250000	1.080000	885	35	23	374
26	0.260000	1.123200	920	35	23	398
27	0.270000	1.166400	956	35	23	3BB
28	0.280000	1.209600	991	35	23	3DE
29	0.290000	1.252800	1026	35	23	402
30	0.300000	1.296000	1062	35	23	425
31	0.310000	1.339200	1097	35	23	449
32	0.320000	1.382400	1132	35	23	46C
33	0.330000	1.425600	1168	35	23	48F
34	0.340000	1.468800	1203	35	23	4B3
35	0.350000	1.512000	1239	35	23	4D6
36	0.360000	1.555200	1274	35	23	4FA
37	0.370000	1.598400	1309	35	23	51D
38	0.380000	1.641600	1345	35	23	540
39	0.390000	1.684800	1380	35	23	564

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40	0.400000	1.728000	1416	35	23	587
41	0.410000	1.771200	1451	35	23	5AA
42	0.420000	1.814400	1486	35	23	5CE
43	0.430000	1.857600	1522	35	23	5F1
44	0.440000	1.900800	1557	35	23	615
45	0.450000	1.944000	1593	35	23	638
46	0.460000	1.987200	1628	35	23	65B
49	0.490000	2.116800	1734	35	23	6C6
50	0.500000	2.160000	1769	35	23	6E9
51	0.510000	2.203200	1805	35	23	70C
52	0.520000	2.246400	1840	35	23	730
53	0.530000	2.289600	1876	35	23	753
54	0.540000	2.332800	1911	35	23	777
55	0.550000	2.376000	1946	35	23	79A
56	0.560000	2.419200	1982	35	23	7BD
57	0.570000	2.462400	2017	35	23	7E1
58	0.580000	2.505600	2053	35	23	804
59	0.590000	2.548800	2088	35	23	827
60	0.600000	2.592000	2123	35	23	84B
61	0.610000	2.635200	2159	35	23	86E
62	0.620000	2.678400	2194	35	23	892
63	0.630000	2.721600	2230	35	23	8B5
64	0.640000	2.764800	2265	35	23	8D8
65	0.650000	2.808000	2300	35	23	8FC
66	0.660000	2.851200	2336	35	23	91F
67	0.670000	2.894400	2371	35	23	943
68	0.680000	2.937600	2406	35	23	966
69	0.690000	2.980800	2442	35	23	989
70	0.700000	3.024000	2477	35	23	9AD
71	0.710000	3.067200	2513	35	23	9D0
72	0.720000	3.110400	2548	35	23	9F4
73	0.730000	3.153600	2583	35	23	A17
74	0.740000	3.196800	2619	35	23	A3A
75	0.750000	3.240000	2654	35	23	A5E
76	0.760000	3.283200	2690	35	23	A81
77	0.770000	3.326400	2725	35	23	AA4
78	0.780000	3.369600	2760	35	23	AC8
79	0.790000	3.412800	2796	35	23	AEB
80	0.800000	3.456000	2831	35	23	B0F
81	0.810000	3.499200	2867	35	23	B32
82	0.820000	3.542400	2902	35	23	B55
83	0.830000	3.585600	2937	35	23	B79
84	0.840000	3.628800	2973	35	23	B9C
85	0.850000	3.672000	3008	35	23	BC0

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86	0.860000	3.715200	3043	35	23	BE3
87	0.870000	3.758400	3079	35	23	C06
88	0.880000	3.801600	3114	35	23	C2A
89	0.890000	3.844800	3150	35	23	C4D
90	0.900000	3.888000	3185	35	23	C71
91	0.910000	3.931200	3220	35	23	C94
92	0.920000	3.974400	3256	35	23	CB7
93	0.930000	4.017600	3291	35	23	CDB
94	0.940000	4.060800	3327	35	23	CFE
95	0.950000	4.104000	3362	35	23	D21
96	0.960000	4.147200	3397	35	23	D45
97	0.970000	4.190400	3433	35	23	D68
98	0.980000	4.233600	3468	35	23	D8C
99	0.990000	4.276800	3504	35	23	DAF
100	1.000000	4.320000	3539	35	23	DD2