



AtmoProbe™ vs. Dew Point (°F)

(Signal to Dew Point Conversion)

Hydrogen 40.0%	AtmoProbe™ Temperature (°F)																				
	1100 (593°C)	1150 (621°C)	1200 (649°C)	1250 (677°C)	1300 (704°C)	1350 (732°C)	1400 (760°C)	1450 (788°C)	1500 (816°C)	1550 (843°C)	1600 (871°C)	1650 (899°C)	1700 (927°C)	1750 (954°C)	1800 (982°C)	1850 (1010°C)	1900 (1038°C)	1950 (1066°C)	2000 (1093°C)	2050 (1121°C)	2100 (1149°C)
1000	164	155	147	139	132	126	120	114	109	104	100	95	91	87	84	80	77	74	71	68	65
1005	159	150	142	135	128	122	116	111	106	101	96	92	88	84	81	77	74	71	68	66	63
1010	153	145	137	130	124	118	112	107	102	97	93	89	85	82	78	75	72	69	66	63	61
1015	148	140	133	126	120	114	109	103	99	94	90	86	82	79	75	72	69	66	64	61	58
1020	143	136	128	122	116	110	105	100	95	91	87	83	79	76	73	70	67	64	61	59	56
1025	138	131	124	118	112	106	101	96	92	88	84	80	77	73	70	67	64	61	59	56	54
1030	133	126	120	114	108	103	98	93	89	85	81	77	74	70	67	64	62	59	56	54	52
1035	129	122	115	109	104	99	94	90	85	81	78	74	71	68	65	62	59	57	54	52	50
1040	124	117	111	105	100	95	91	86	82	78	75	71	68	65	62	59	57	54	52	50	47
1045	119	113	107	101	96	92	87	83	79	75	72	68	65	62	60	57	54	52	50	47	45
1050	115	109	103	98	93	88	84	80	76	72	69	66	63	60	57	54	52	50	47	45	43
1055	110	104	99	94	89	84	80	76	73	69	66	63	60	57	55	52	50	47	45	43	41
1060	106	100	95	90	85	81	77	73	70	66	63	60	57	55	52	50	47	45	43	41	39
1065	101	96	91	86	82	78	74	70	67	63	60	57	55	52	50	47	45	43	41	39	37
1070	97	92	87	82	78	74	70	67	64	60	57	55	52	50	47	45	43	41	39	37	35
1075	93	88	83	79	75	71	67	64	61	58	55	52	49	47	45	42	40	38	36	35	33
1080	89	84	79	75	71	67	64	61	58	55	52	49	47	45	42	40	38	36	34	32	31
1085	85	80	76	72	68	64	61	58	55	52	49	47	44	42	40	38	36	34	32	30	29
1090	81	76	72	68	64	61	58	55	52	49	47	44	42	40	38	36	34	32	30	28	27
1095	77	72	68	65	61	58	55	52	49	46	44	42	39	37	35	33	31	30	28	26	25
1100	73	69	65	61	58	55	52	49	46	44	41	39	37	35	33	31	29	28	26	24	23
1105	69	65	61	58	55	52	49	46	43	41	39	37	34	33	31	29	27	25	24	22	21
1110	65	61	58	54	51	48	46	43	41	38	36	34	32	30	28	27	25	23	22	20	19
1115	61	58	54	51	48	45	43	40	38	36	34	32	30	28	26	24	23	21	20	18	17
1120	58	54	51	48	45	42	40	38	35	33	31	29	27	26	24	22	21	19	18	16	15
1125	54	51	48	45	42	39	37	35	33	31	29	27	25	23	22	20	19	17	16	15	13
1130	50	47	44	42	39	37	34	32	30	28	26	24	23	21	20	18	17	15	14	13	11
1135	47	44	41	38	36	34	31	29	27	26	24	22	20	19	17	16	15	13	12	11	10
1140	43	40	38	35	33	31	29	27	25	23	21	20	18	17	15	14	13	11	10	9	8
1145	40	37	35	32	30	28	26	24	22	21	19	17	16	14	13	12	10	9	8	7	6
1150	36	34	32	29	27	25	23	21	20	18	17	15	14	12	11	10	8	7	6	5	4
1155	33	31	28	26	24	22	21	19	17	16	14	13	11	10	9	8	7	5	4	3	2
1160	30	28	25	23	21	20	18	16	15	13	12	11	9	8	7	6	5	3	2	1	1
1165	27	24	22	20	19	17	15	14	12	11	10	8	7	6	5	4	3	2	1	0	-1
1170	23	21	19	18	16	14	13	11	10	9	7	6	5	4	3	2	1	0	-1	-2	-3
1175	20	18	16	15	13	12	10	9	7	6	5	4	3	2	1	0	-1	-2	-3	-4	-5
1180	17	15	14	12	10	9	8	6	5	4	3	2	1	0	-1	-2	-3	-4	-5	-6	-6
1185	14	12	11	9	8	6	5	4	3	2	1	0	-1	-2	-3	-4	-5	-6	-7	-7	-8
1190	11	9	8	6	5	4	3	2	0	-1	-2	-3	-3	-4	-5	-6	-7	-8	-8	-9	-10
1195	8	6	5	4	3	1	0	-1	-2	-3	-4	-5	-6	-6	-7	-8	-9	-9	-10	-11	-12
1200	5	4	2	1	0	-1	-2	-3	-4	-5	-6	-7	-8	-8	-9	-10	-11	-11	-12	-13	-13

AtmoProbe Dew Point Nernst Equation:

$$DP(C) = (5422.18 / (14.398 + 2.2558 \log T - (28664.5 / T)) - 2.3026 \log \%H + (23.215 (mV) / T)) - 273.16$$

Reference: H₂+H₂O= 40.0%



AtmoProbe™ vs. Dew Point (°F)

(Signal to Dew Point Conversion)

Table with columns for Hydrogen 40.0%, AtmoProbe™ Temperature (°F) from 1100 to 2100, and Dew Point (°F) from -20 to 60. The table contains conversion values for various temperature and dew point points.

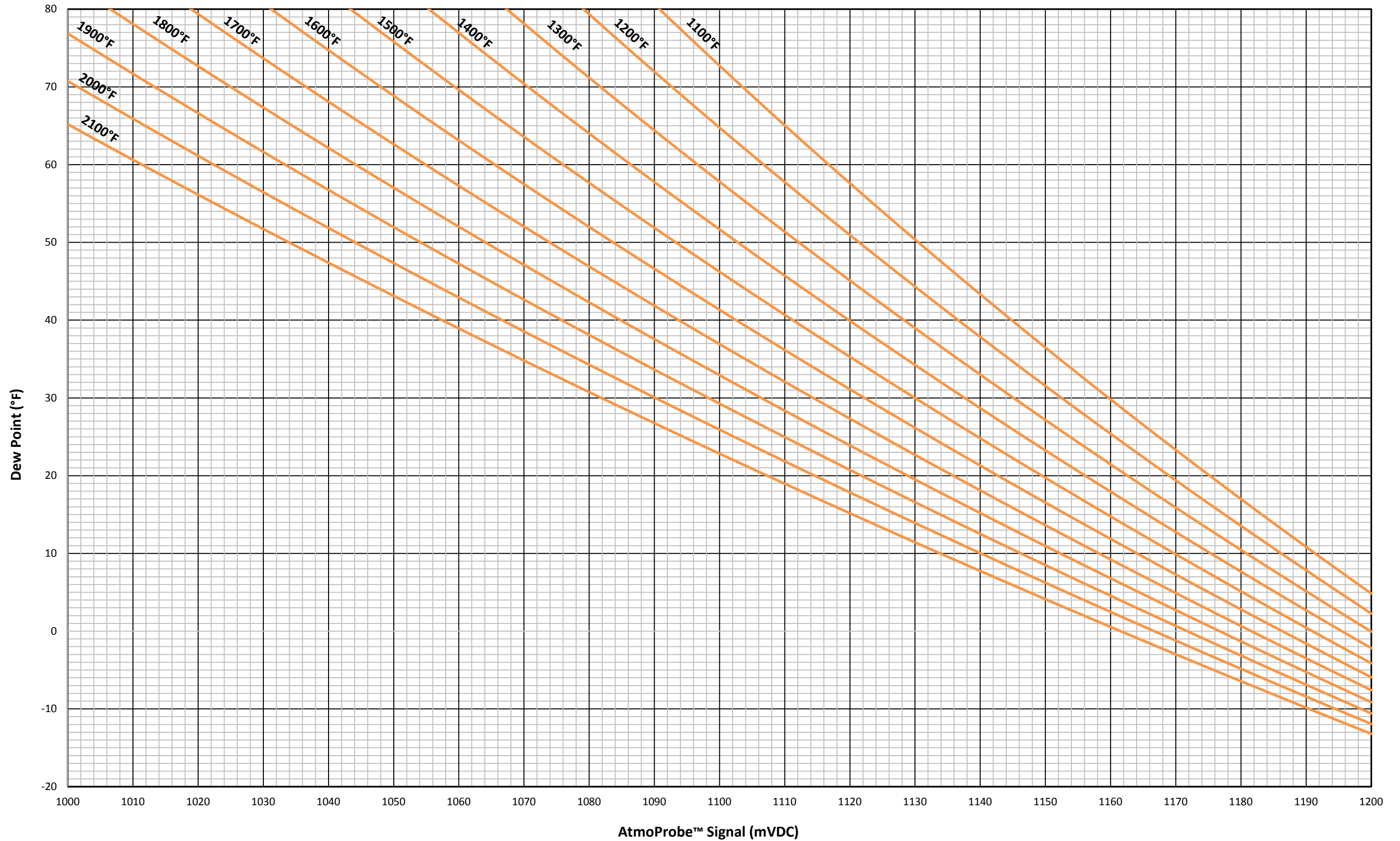
AtmoProbe Dew Point Nernst Equation:

DP(C) = (5422.18/(14.398+2.2558logT-(28664.5/T))-2.3026log%H+(23.215(mV)/T))-273.16

Reference: H2+H2O= 40.0%



AtmoProbe™ vs. Dew Point (°F)
(Signal to Dew Point Conversion)



AtmoProbe Dew Point Nernst Equation:
$$DP(C) = (5422.18 / (14.398 + 2.2558 \log T - (28664.5 / T) - 2.3026 \log \%H + (23.215 (mV) / T))) - 273.16$$

Reference: H₂+H₂O= 40.0%



AtmoProbe™ vs. Dew Point (°C)

(Signal to Dew Point Conversion)

Hydrogen 40.0%	AtmoProbe™ Temperature (°C)																				
	600 (1112°F)	625 (1157°F)	650 (1202°F)	675 (1247°F)	700 (1292°F)	725 (1337°F)	750 (1382°F)	775 (1427°F)	800 (1472°F)	825 (1517°F)	850 (1562°F)	875 (1607°F)	900 (1652°F)	925 (1697°F)	950 (1742°F)	975 (1787°F)	1000 (1832°F)	1025 (1877°F)	1050 (1922°F)	1075 (1967°F)	1100 (2012°F)
1000	72.0	67.7	63.6	59.9	56.4	53.1	50.0	47.1	44.4	41.9	39.5	37.2	35.0	33.0	31.1	29.2	27.4	25.8	24.2	22.6	21.1
1005	69.1	64.9	61.0	57.4	54.0	50.8	47.8	45.1	42.4	40.0	37.6	35.4	33.3	31.3	29.4	27.6	25.9	24.3	22.7	21.2	19.8
1010	66.3	62.2	58.4	54.9	51.6	48.6	45.7	43.0	40.5	38.1	35.8	33.6	31.6	29.7	27.8	26.1	24.4	22.8	21.3	19.9	18.5
1015	63.5	59.6	55.9	52.5	49.3	46.4	43.6	41.0	38.5	36.2	34.0	31.9	29.9	28.1	26.3	24.6	22.9	21.4	19.9	18.5	17.1
1020	60.7	56.9	53.4	50.1	47.1	44.2	41.5	39.0	36.6	34.3	32.2	30.2	28.3	26.4	24.7	23.1	21.5	20.0	18.5	17.2	15.8
1025	58.0	54.4	51.0	47.8	44.8	42.1	39.4	37.0	34.7	32.5	30.4	28.5	26.6	24.8	23.2	21.6	20.0	18.6	17.2	15.8	14.5
1030	55.4	51.8	48.5	45.5	42.6	39.9	37.4	35.0	32.8	30.7	28.7	26.8	25.0	23.3	21.6	20.1	18.6	17.2	15.8	14.5	13.3
1035	52.7	49.3	46.2	43.2	40.4	37.8	35.4	33.1	30.9	28.9	27.0	25.1	23.4	21.7	20.1	18.6	17.2	15.8	14.5	13.2	12.0
1040	50.1	46.9	43.8	41.0	38.3	35.8	33.4	31.2	29.1	27.1	25.2	23.5	21.8	20.2	18.6	17.2	15.8	14.4	13.1	11.9	10.7
1045	47.6	44.4	41.5	38.7	36.2	33.8	31.5	29.3	27.3	25.4	23.6	21.8	20.2	18.6	17.1	15.7	14.4	13.1	11.8	10.6	9.5
1050	45.1	42.1	39.2	36.6	34.1	31.7	29.5	27.5	25.5	23.7	21.9	20.2	18.6	17.1	15.7	14.3	13.0	11.7	10.5	9.3	8.2
1055	42.6	39.7	37.0	34.4	32.0	29.8	27.6	25.6	23.7	21.9	20.2	18.6	17.1	15.6	14.2	12.9	11.6	10.4	9.2	8.1	7.0
1060	40.2	37.4	34.8	32.3	30.0	27.8	25.8	23.8	22.0	20.3	18.6	17.0	15.6	14.1	12.8	11.5	10.2	9.1	7.9	6.8	5.8
1065	37.8	35.1	32.6	30.2	28.0	25.9	23.9	22.0	20.3	18.6	17.0	15.5	14.0	12.7	11.4	10.1	8.9	7.8	6.7	5.6	4.6
1070	35.5	32.9	30.4	28.1	26.0	24.0	22.1	20.3	18.6	16.9	15.4	13.9	12.5	11.2	9.9	8.7	7.6	6.5	5.4	4.4	3.4
1075	33.1	30.6	28.3	26.1	24.0	22.1	20.3	18.5	16.9	15.3	13.8	12.4	11.1	9.8	8.6	7.4	6.3	5.2	4.1	3.1	2.2
1080	30.9	28.5	26.2	24.1	22.1	20.2	18.5	16.8	15.2	13.7	12.3	10.9	9.6	8.4	7.2	6.0	4.9	3.9	2.9	1.9	1.0
1085	28.6	26.3	24.1	22.1	20.2	18.4	16.7	15.1	13.6	12.1	10.7	9.4	8.1	6.9	5.8	4.7	3.7	2.6	1.7	0.7	-0.2
1090	26.4	24.2	22.1	20.2	18.3	16.6	14.9	13.4	11.9	10.5	9.2	7.9	6.7	5.6	4.4	3.4	2.4	1.4	0.5	-0.4	-1.3
1095	24.2	22.1	20.1	18.2	16.5	14.8	13.2	11.7	10.3	9.0	7.7	6.5	5.3	4.2	3.1	2.1	1.1	0.2	-0.7	-1.6	-2.5
1100	22.1	20.0	18.1	16.3	14.6	13.0	11.5	10.1	8.7	7.4	6.2	5.0	3.9	2.8	1.8	0.8	-0.2	-1.1	-1.9	-2.8	-3.6
1105	19.9	18.0	16.2	14.4	12.8	11.3	9.8	8.5	7.1	5.9	4.7	3.6	2.5	1.5	0.5	-0.5	-1.4	-2.3	-3.1	-3.9	-4.7
1110	17.9	16.0	14.2	12.6	11.0	9.6	8.2	6.8	5.6	4.4	3.2	2.1	1.1	0.1	-0.8	-1.8	-2.6	-3.5	-4.3	-5.1	-5.8
1115	15.8	14.0	12.3	10.8	9.3	7.9	6.5	5.2	4.0	2.9	1.8	0.7	-0.3	-1.2	-2.1	-3.0	-3.9	-4.7	-5.5	-6.2	-6.9
1120	13.8	12.1	10.5	8.9	7.5	6.2	4.9	3.7	2.5	1.4	0.4	-0.6	-1.6	-2.5	-3.4	-4.3	-5.1	-5.9	-6.6	-7.3	-8.0
1125	11.8	10.1	8.6	7.2	5.8	4.5	3.3	2.1	1.0	-0.1	-1.1	-2.0	-2.9	-3.8	-4.7	-5.5	-6.3	-7.0	-7.8	-8.5	-9.1
1130	9.8	8.2	6.8	5.4	4.1	2.9	1.7	0.6	-0.5	-1.5	-2.5	-3.4	-4.3	-5.1	-5.9	-6.7	-7.5	-8.2	-8.9	-9.6	-10.2
1135	7.8	6.4	5.0	3.7	2.4	1.2	0.1	-0.9	-2.0	-2.9	-3.9	-4.7	-5.6	-6.4	-7.2	-7.9	-8.7	-9.4	-10.0	-10.7	-11.3
1140	5.9	4.5	3.2	1.9	0.8	-0.4	-1.4	-2.4	-3.4	-4.3	-5.2	-6.1	-6.9	-7.7	-8.4	-9.1	-9.8	-10.5	-11.1	-11.8	-12.4
1145	4.0	2.7	1.4	0.2	-0.9	-2.0	-3.0	-3.9	-4.9	-5.7	-6.6	-7.4	-8.2	-8.9	-9.6	-10.3	-11.0	-11.6	-12.2	-12.8	-13.4
1150	2.1	0.9	-0.3	-1.4	-2.5	-3.5	-4.5	-5.4	-6.3	-7.1	-7.9	-8.7	-9.5	-10.2	-10.8	-11.5	-12.1	-12.8	-13.3	-13.9	-14.5
1155	0.3	-0.9	-2.0	-3.1	-4.1	-5.1	-6.0	-6.9	-7.7	-8.5	-9.3	-10.0	-10.7	-11.4	-12.0	-12.7	-13.3	-13.9	-14.4	-15.0	-15.5
1160	-1.5	-2.7	-3.7	-4.7	-5.7	-6.6	-7.5	-8.3	-9.1	-9.9	-10.6	-11.3	-12.0	-12.6	-13.2	-13.8	-14.4	-15.0	-15.5	-16.0	-16.5
1165	-3.3	-4.4	-5.4	-6.3	-7.3	-8.1	-8.9	-9.7	-10.5	-11.2	-11.9	-12.6	-13.2	-13.8	-14.4	-15.0	-15.5	-16.1	-16.6	-17.1	-17.6
1170	-5.1	-6.1	-7.0	-7.9	-8.8	-9.6	-10.4	-11.1	-11.9	-12.5	-13.2	-13.8	-14.4	-15.0	-15.6	-16.1	-16.6	-17.2	-17.6	-18.1	-18.6
1175	-6.9	-7.8	-8.7	-9.5	-10.3	-11.1	-11.8	-12.5	-13.2	-13.9	-14.5	-15.1	-15.6	-16.2	-16.7	-17.2	-17.7	-18.2	-18.7	-19.1	-19.6
1180	-8.6	-9.5	-10.3	-11.1	-11.8	-12.6	-13.3	-13.9	-14.6	-15.2	-15.7	-16.3	-16.9	-17.4	-17.9	-18.4	-18.8	-19.3	-19.7	-20.2	-20.6
1185	-10.3	-11.1	-11.9	-12.6	-13.3	-14.0	-14.7	-15.3	-15.9	-16.5	-17.0	-17.5	-18.0	-18.5	-19.0	-19.5	-19.9	-20.4	-20.8	-21.2	-21.6
1190	-12.0	-12.7	-13.5	-14.1	-14.8	-15.4	-16.1	-16.6	-17.2	-17.7	-18.2	-18.7	-19.2	-19.7	-20.1	-20.6	-21.0	-21.4	-21.8	-22.2	-22.6
1195	-13.6	-14.3	-15.0	-15.7	-16.3	-16.9	-17.4	-18.0	-18.5	-19.0	-19.5	-19.9	-20.4	-20.8	-21.3	-21.7	-22.1	-22.4	-22.8	-23.2	-23.5
1200	-15.3	-15.9	-16.5	-17.1	-17.7	-18.3	-18.8	-19.3	-19.8	-20.2	-20.7	-21.1	-21.6	-22.0	-22.4	-22.7	-23.1	-23.5	-23.8	-24.2	-24.5

AtmoProbe Dew Point Nernst Equation:

$$DP(C) = (5422.18 / (14.398 + 2.2558 \log T - (28664.5 / T)) - 2.3026 \log \%H + (23.215 (mV) / T)) - 273.16$$

Reference: H₂+H₂O= 40.0%



AtmoProbe™ vs. Dew Point (°C)

(Signal to Dew Point Conversion)

Hydrogen 40.0%	AtmoProbe™ Temperature (°C)																				
	600 (1112°F)	625 (1157°F)	650 (1202°F)	675 (1247°F)	700 (1292°F)	725 (1337°F)	750 (1382°F)	775 (1427°F)	800 (1472°F)	825 (1517°F)	850 (1562°F)	875 (1607°F)	900 (1652°F)	925 (1697°F)	950 (1742°F)	975 (1787°F)	1000 (1832°F)	1025 (1877°F)	1050 (1922°F)	1075 (1967°F)	1100 (2012°F)
-20.0	1215	1213	1211	1210	1208	1206	1205	1203	1201	1199	1197	1195	1193	1191	1189	1187	1185	1183	1181	1179	1177
-19.0	1212	1210	1208	1206	1205	1203	1201	1199	1197	1195	1193	1191	1189	1187	1185	1183	1181	1179	1176	1174	1172
-18.0	1208	1207	1205	1203	1201	1199	1197	1195	1193	1191	1189	1187	1185	1183	1181	1178	1176	1174	1172	1169	1167
-17.0	1205	1203	1201	1200	1198	1195	1193	1191	1189	1187	1185	1183	1181	1178	1176	1174	1172	1169	1167	1165	1162
-16.0	1202	1200	1198	1196	1194	1192	1190	1188	1185	1183	1181	1179	1176	1174	1172	1169	1167	1165	1162	1160	1157
-15.0	1199	1197	1195	1193	1191	1188	1186	1184	1182	1179	1177	1175	1172	1170	1168	1165	1163	1160	1158	1155	1153
-14.0	1196	1194	1192	1190	1187	1185	1183	1180	1178	1176	1173	1171	1168	1166	1163	1161	1158	1156	1153	1150	1148
-13.0	1193	1191	1189	1186	1184	1182	1179	1177	1174	1172	1169	1167	1164	1162	1159	1156	1154	1151	1148	1146	1143
-12.0	1190	1188	1185	1183	1181	1178	1176	1173	1171	1168	1165	1163	1160	1157	1155	1152	1149	1147	1144	1141	1138
-11.0	1187	1185	1182	1180	1177	1175	1172	1169	1167	1164	1162	1159	1156	1153	1151	1148	1145	1142	1139	1137	1134
-10.0	1184	1182	1179	1177	1174	1171	1169	1166	1163	1161	1158	1155	1152	1149	1146	1144	1141	1138	1135	1132	1129
-9.0	1181	1179	1176	1173	1171	1168	1165	1162	1160	1157	1154	1151	1148	1145	1142	1139	1136	1133	1130	1127	1124
-8.0	1178	1176	1173	1170	1167	1165	1162	1159	1156	1153	1150	1147	1144	1141	1138	1135	1132	1129	1126	1123	1120
-7.0	1175	1173	1170	1167	1164	1161	1158	1155	1153	1150	1147	1143	1140	1137	1134	1131	1128	1125	1122	1118	1115
-6.0	1173	1170	1167	1164	1161	1158	1155	1152	1149	1146	1143	1140	1137	1133	1130	1127	1124	1121	1117	1114	1111
-5.0	1170	1167	1164	1161	1158	1155	1152	1149	1145	1142	1139	1136	1133	1130	1126	1123	1120	1116	1113	1110	1106
-4.0	1167	1164	1161	1158	1155	1152	1148	1145	1142	1139	1136	1132	1129	1126	1122	1119	1116	1112	1109	1105	1102
-3.0	1164	1161	1158	1155	1152	1148	1145	1142	1139	1135	1132	1129	1125	1122	1118	1115	1111	1108	1104	1101	1097
-2.0	1161	1158	1155	1152	1148	1145	1142	1139	1135	1132	1128	1125	1121	1118	1114	1111	1107	1104	1100	1097	1093
-1.0	1159	1155	1152	1149	1145	1142	1139	1135	1132	1128	1125	1121	1118	1114	1111	1107	1103	1100	1096	1092	1089
0.0	1156	1152	1149	1146	1142	1139	1135	1132	1128	1125	1121	1118	1114	1110	1107	1103	1099	1096	1092	1088	1084
1.0	1153	1150	1146	1143	1139	1136	1132	1129	1125	1121	1118	1114	1110	1107	1103	1099	1095	1092	1088	1084	1080
2.0	1150	1147	1143	1140	1136	1133	1129	1125	1122	1118	1114	1111	1107	1103	1099	1095	1091	1088	1084	1080	1076
3.0	1148	1144	1141	1137	1133	1130	1126	1122	1118	1115	1111	1107	1103	1099	1095	1091	1088	1084	1080	1076	1072
4.0	1145	1141	1138	1134	1130	1127	1123	1119	1115	1111	1107	1103	1100	1096	1092	1088	1084	1080	1076	1071	1067
5.0	1142	1139	1135	1131	1127	1124	1120	1116	1112	1108	1104	1100	1096	1092	1088	1084	1080	1076	1072	1067	1063
6.0	1140	1136	1132	1128	1124	1121	1117	1113	1109	1105	1101	1097	1092	1088	1084	1080	1076	1072	1068	1063	1059
7.0	1137	1133	1129	1125	1122	1118	1114	1109	1105	1101	1097	1093	1089	1085	1081	1076	1072	1068	1064	1059	1055
8.0	1135	1131	1127	1123	1119	1115	1110	1106	1102	1098	1094	1090	1086	1081	1077	1073	1068	1064	1060	1055	1051
9.0	1132	1128	1124	1120	1116	1112	1107	1103	1099	1095	1091	1086	1082	1078	1073	1069	1065	1060	1056	1051	1047
10.0	1129	1125	1121	1117	1113	1109	1104	1100	1096	1092	1087	1083	1079	1074	1070	1065	1061	1056	1052	1047	1043
11.0	1127	1123	1119	1114	1110	1106	1102	1097	1093	1088	1084	1080	1075	1071	1066	1062	1057	1053	1048	1044	1039
12.0	1124	1120	1116	1112	1107	1103	1099	1094	1090	1085	1081	1076	1072	1067	1063	1058	1054	1049	1044	1040	1035
13.0	1122	1118	1113	1109	1104	1100	1096	1091	1087	1082	1078	1073	1068	1064	1059	1055	1050	1045	1041	1036	1031
14.0	1119	1115	1111	1106	1102	1097	1093	1088	1084	1079	1074	1070	1065	1060	1056	1051	1046	1042	1037	1032	1027
15.0	1117	1112	1108	1104	1099	1094	1090	1085	1081	1076	1071	1067	1062	1057	1052	1048	1043	1038	1033	1028	1023
16.0	1114	1110	1105	1101	1096	1092	1087	1082	1078	1073	1068	1063	1059	1054	1049	1044	1039	1034	1029	1024	1019
17.0	1112	1107	1103	1098	1094	1089	1084	1079	1075	1070	1065	1060	1055	1050	1045	1041	1036	1031	1026	1021	1016
18.0	1110	1105	1100	1096	1091	1086	1081	1076	1072	1067	1062	1057	1052	1047	1042	1037	1032	1027	1022	1017	1012
19.0	1107	1103	1098	1093	1088	1083	1078	1074	1069	1064	1059	1054	1049	1044	1039	1034	1029	1023	1018	1013	1008
20.0	1105	1100	1095	1090	1086	1081	1076	1071	1066	1061	1056	1051	1046	1041	1035	1030	1025	1020	1015	1009	1004

AtmoProbe Dew Point Nernst Equation:

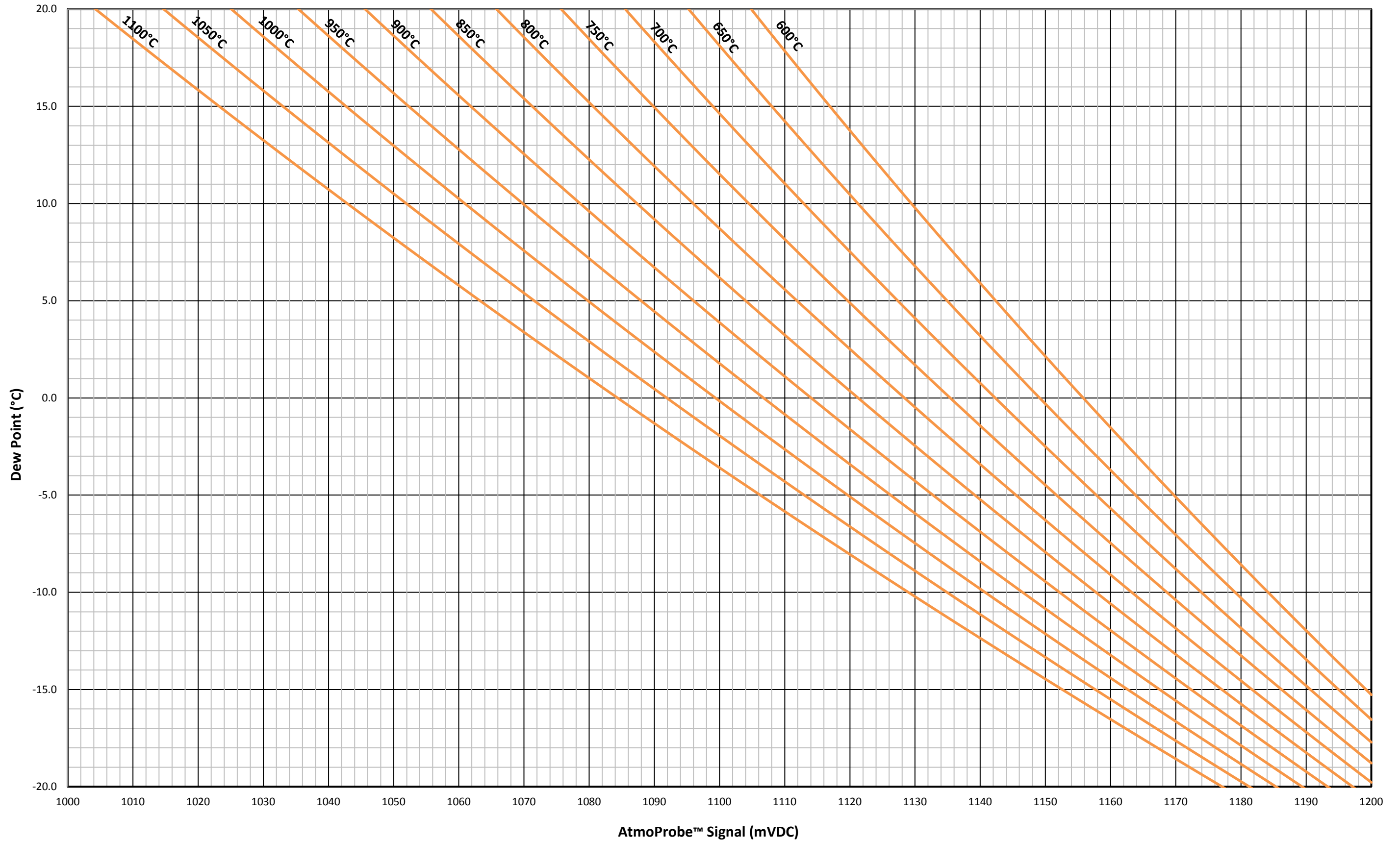
$$DP(C) = (5422.18 / (14.398 + 2.2558 \log T - (28664.5 / T) - 2.3026 \log \%H + (23.215 (mV) / T)) - 273.16$$

Reference: H₂+H₂O= 40.0%



AtmoProbe™ vs. Dew Point (°C)

(Signal to Dew Point Conversion)



AtmoProbe Dew Point Nernst Equation:

$$DP(C) = (5422.18 / (14.398 + 2.2558 \log T - 2.3026 \log \%H + (23.215(mV)/T))) - 273.16$$

Reference: H₂+H₂O= 40.0%