eTorch

Unit of Humidity Conversion Table

TEKHNE

Dewpoint deg.C	Dewpoint deg.F	Vapour Pressure Pa	%RH at 21dog.c	ppmV	ppmW Air	ppmW Hydrogen	ppmW Nitrogen	ppmW Carbon Dioxide	ppmW Natural Gas (MW=17)
−100	−148	0.001	0.000	0.01	0.01	0.12	0.01	0.01	0.01
−98	−144	0.002	0.000	0.02	0.01	0.19	0.01	0.01	0.02
−96	−141	0.003	0.000	0.03	0.02	0.28	0.02	0.01	0.03
−94	−137	0.005	0.000	0.05	0.03	0.41	0.03	0.02	0.05
−92	−134	0.007	0.000	0.07	0.04	0.60	0.04	0.03	0.07
−90	−130	0.010	0.000	0.10	0.06	0.86	0.06	0.04	0.10
−88	−126	0.014	0.001	0.14	0.08	1.23	0.09	0.06	0.15
−86	−123	0.020	0.001	0.20	0.12	1.76	0.13	0.08	0.21
−84	−119	0.028	0.001	0.28	0.17	2.49	0.18	0.11	0.29
−82	−116	0.039	0.002	0.39	0.24	3.49	0.25	0.16	0.41
−80	−112	0.055	0.002	0.54	0.33	4.87	0.35	0.22	0.57
−78	−108	0.076	0.003	0.75	0.46	6.74	0.48	0.31	0.79
−76	−105	0.104	0.004	1.03	0.63	9.27	0.66	0.42	1.09
−74	−101	0.143	0.006	1.41	0.86	12.68	0.97	0.58	1.49
−72	−98	0.194	0.008	1.91	1.17	17.22	1.23	0.78	2.03
−70	−94	0.262	0.011	2.58	1.58	23.26	1.66	1.06	2.74
−68	−90	0.352	0.014	3.47	2.13	31.24	2.23	1.42	3.68
−66	−87	0.470	0.019	4.63	2.84	41.70	2.96	1.90	4.91
−64	−83	0.623	0.025	6.15	3.77	55.38	3.96	2.52	6.52
−62	−80	0.823	0.033	8.13	4.98	73.15	5.22	3.32	8.61
−60	−76	1.082	0.043	10.68	6.54	96.11	6.86	4.37	11.31
−58	−72	1.415	0.057	13.96	8.55	125.65	8.98	5.71	14.78
−56	−69	1.840	0.074	18.16	11.12	163.47	11.68	7.43	19.23
−54	−65	2.383	0.096	23.52	14.40	211.67	15.12	9.62	24.90
−52	−62	3.071	0.123	30.31	18.56	272.79	19.49	12.40	32.09
−50	−58	3.940	0.158	38.89	23.81	349.99	25.00	15.91	41.18
−48	−54	5.033	0.202	49.67	30.41	447.06	31.93	20.32	52.60
−46	−51	6.401	0.257	63.18	38.68	568.60	40.61	25.85	66.89
−44	−47	8.107	0.326	80.02	48.99	720.18	51.44	32.74	84.73
−42	−44	10.227	0.411	100.94	61.80	908.45	64.89	41.29	106.88
−40	−40	12.849	0.517	126.82	77.65	1141.40	81.53	51.88	134.28
−38	−36	16.080	0.646	158.73	97.18	1428.55	102.04	64.93	168.06
−36	−33	20.049	0.806	197.91	121.17	1781.20	127.23	80.96	209.55
−34	−29	24.906	1.001	245.86	150.53	2212.76	158.05	100.58	260.33
−32	−26	30.828	1.239	304.34	186.33	2739.05	195.65	124.50	322.24
−30	−22	38.024	1.529	375.41	229.84	3378.66	241.33	153.58	397.49
−28	−18	46.739	1.879	461.49	282.55	4153.45	296.67	188.79	488.64
−26	−15	57.261	2.302	565.44	346.19	5088.95	363.50	231.32	598.70
−24	−11	69.922	2.811	690.55	422.79	6214.95	443.93	282.50	731.17
−22	−8	85.110	3.422	840.68	514.70	7566.13	540.44	343.91	890.13
−20	−4	103.276	4.152	1020.29	624.67	9182.65	655.90	417.39	1080.31
−18	0	124.938	5.023	1234.56	755.86	11111.08	793.65	505.05	1307.19
−16	3	150.694	6.058	1489.45	911.91	13405.05	957.50	609.32	1577.06
−14	7	181.233	7.286	1791.84	1097.04	16126.52	1151.89	733.02	1897.24
−12	10	217.342	8.738	2149.61	1316.09	19346.49	1381.89	879.39	2276.06
−10	14	259.922	10.450	2571.83	1574.59	23146.45	1653.32	1052.11	2273.11
−8	18	310.001	12.463	3068.86	1878.89	27619.75	1972.84	1255.44	3249.38
−6	21	368.748	14.825	3652.55	2236.26	32872.97	2348.07	1494.23	3867.41
−4	25	437.488	17.588	4336.39	2654.94	39027.55	2787.68	1773.98	4591.48
−2	28	517.724	20.814	5135.78	3144.36	46222.03	3301.57	2101.00	5437.89
0	32	611.213	24.573	6068.81	3715.60	54619.31	3901.38	2482.70	6425.80
2	36	705.949	28.381	7016.06	4295.55	63144.52	4510.32	2870.21	7428.77
4	39	813.467	32.704	8093.27	4955.06	72839.44	5202.82	3310.88	8569.35
6	43	935.223	37.599	9315.92	5703.62	83843.28	5988.81	3811.06	9863.91
8	46	1072.800	43.130	10701.01	6551.64	96309.12	6879.22	4377.69	11330.48
10	50	1227.940	49.367	12267.49	7510.71	110407.45	7886.25	5018.52	12989.11
12	54	1402.510	56.385	14035.98	8593.46	126323.83	9023.13	5741.99	14861.63
14	57	1595.560	64.267	16029.45	9813.95	144265.07	10304.65	6557.50	16972.36
16	61	1818.290	73.101	18273.04	11187.58	164457.37	11746.95	7475.33	19347.93
18	64	2064.090	82.983	20794.59	12731.38	187151.34	13367.95	8506.88	22017.80
20	68	2338.540	94.017	23624.85	14464.19	212623.65	15187.40	9664.71	25014.55
21	70	2487.370	100.000	25166.23	15407.89	226496.04	16178.29	10295.27	26646.59
22	72	2644.420		26767.78	16406.80	241180.00	17227.14	10962.73	28374.12
24	75	2984.700		30350.73	18582.08	273156.61	19511.19	12416.21	32136.07
26	79	3362.600		34325.42	21015.56	308928.76	22066.34	14042.22	36344.56
28	82	3781.540		38767.75	23735.36	348909.74	24922.12	15859.53	41048.20
30	86	4245.200		43728.98	26772.84	393560.80	28111.49	17889.13	46301.27
32	90	4757.520		49266.28	30163.03	443396.52	31671.18	20154.39	52164.30
34	93	5322.670		55443.14	33944.78	498988.25	35642.02	22681.28	58704.50
36	97	5945.130		62331.08	38161.89	560979.75	40069.98	25499.08	65997.62
38	100	6629.650		70010.31	42863.45	630092.78	45006.63	26640.58	74128.56
40	104	7381.270		78571.19	48104.81	707140.72	50510.05	32142.76	83193.03
42	108	8205.360		88116.33	53948.77	793046.97	56646.21	36047.59	93299.64
44	111	9107.570		98761.93	60466.49	888857.33	63489.81	40402.61	104571.45
46	115	10093.920		110641.25	67739.54	995771.29	71126.52	45262.33	117149.56
48	118	11170.760		123907.22	75861.56	1115164.97	79654.64	50689.32	131195.88
50	122	12344.780		138736.24	84940.56	1248626.18	89187.58	56755.74	146897.20
52	126	13623.040		155333.38	95102.07	1398000.38	99857.17	63545.47	164470.63
54	129	15012.980		173938.48	106492.95	1565446.33	111817.60	71156.65	184170.16
56	133	16522.430		194834.09	119286.18	1753506.65	125250.49	79704.86	206294.92
58	136	18159.590		218355.11	133686.80	1965195.98	140371.14	89327.09	231199.53
60	140	19933.090		244902.63	149940.38	2204123.62	157437.40	100187.44	259308.66
62	144	21851.980		274961.02	168343.48	2474649.19	176760.66	112484.05	291135.20
64	147	23925.720		309120.74	189257.60	2782086.70	198720.48	126458.49	327304.32
66	151	26164.210		348109.88	213128.50	3132988.90	223784.92	142408.59	368586.93
68	154	28577.810		392837.36	240512.67	3535536.22	252538.30	160706.19	415945.44
70	158	31177.320		444452.68	272113.89	4000074.12	285719.58	181821.55	470596.96
72	162	33974.010		504432.30	308836.10	4539890.73	324277.91	206358.67	534104.79
74	165	36979.630		574705.46	351860.49	5172349.18	369453.51	235106.78	608511.67
76	169	40206.410		657842.67	402760.82	5920584.05	422898.86	269117.46	696539.30
78	172	43667.080		757347.60	463682.21	6816128.43	486866.32	309824.02	801897.46
80	176	47374.850		878122.84	537626.23	7903105.53	564507.54	359232.07	929777.12
82	180	51343.450		1027248.26	628927.51	9245234.34	660373.88	420237.92	1087674.62
84	183	55587.130		1215341.73	744086.77	10938075.50	781291.11	497185.25	1286832.42
86	187	60120.670		1459086.57	893318.31	13131779.10	937984.22	596899.05	1544915.19
88	190	64959.350		1786283.70	1093643.08	16076553.30	1148325.23	730752.42	1891359.21
90	194	70119.030		2246975.57	1375699.33	20222780.20	1444484.30	919217.28	2379150.61
92	198	75616.070		2941238.68	1800758.37	26471148.10	1890796.29	1203234.00	3114252.72
94	201	81467.420		4102587.58	2511788.31	36923288.20	2637377.73	1678331.28	4343916.26
96	205	87690.560		6431553.06	3937685.54	57883977.50	4134569.82	2631089.88	6809879.71
98	208	94303.540		13430778.50	8222925.66	120877007.20	8634071.94	5494409.41	14220824.30
100	212	1013243.989		INFINITY	INFINITY	INFINITY	INFINITY	INFINITY	INFINITY