

湿度單位換算表



露点 (°Cdp)	霜点 (°Cdp)	飽和水蒸氣压 (Pa)	相對湿度 (%RH) (溫度25°C)	絕對湿度 (g/m³) (溫度25°C)	ppmv	ppmw Air	ppmw H2	ppmw N2	ppmw CO2	ppmw Ar
-100	-95.22	0.004	0	0	0.036	0.022	0.319	0.023	0.015	0.016
-98	-93.19	0.005	0	0	0.053	0.033	0.470	0.034	0.022	0.024
-96	-91.18	0.008	0	0	0.077	0.048	0.686	0.049	0.031	0.035
-94	-89.16	0.011	0	0	0.111	0.069	0.993	0.071	0.045	0.050
-92	-87.15	0.016	0.001	0	0.159	0.099	1.424	0.102	0.065	0.072
-90	-85.14	0.023	0.001	0	0.227	0.141	2.025	0.146	0.093	0.102
-88	-83.13	0.032	0.001	0	0.320	0.199	2.857	0.206	0.131	0.144
-86	-81.13	0.045	0.001	0	0.448	0.278	3.999	0.288	0.183	0.202
-84	-79.14	0.063	0.002	0	0.622	0.387	5.555	0.400	0.254	0.280
-82	-77.14	0.087	0.003	0.001	0.858	0.533	7.660	0.551	0.351	0.387
-80	-75.16	0.119	0.004	0.001	1.175	0.730	10.49	0.755	0.480	0.529
-78	-73.17	0.162	0.005	0.001	1.597	0.993	14.26	1.027	0.653	0.720
-76	-71.19	0.219	0.007	0.002	2.158	1.341	19.27	1.387	0.883	0.972
-74	-69.22	0.293	0.009	0.002	2.896	1.799	25.85	1.861	1.184	1.305
-72	-67.26	0.391	0.012	0.003	3.862	2.400	34.48	2.482	1.579	1.740
-70	-65.29	0.519	0.016	0.004	5.119	3.181	45.70	3.290	2.094	2.306
-68	-63.33	0.683	0.022	0.005	6.745	4.191	60.22	4.335	2.759	3.039
-66	-61.38	0.895	0.028	0.007	8.837	5.491	78.90	5.679	3.614	3.982
-64	-59.43	1.167	0.037	0.008	11.51	7.154	102.8	7.399	4.709	5.188
-62	-57.49	1.512	0.048	0.011	14.92	9.271	133.2	9.587	6.102	6.722
-60	-55.55	1.948	0.061	0.014	19.23	11.95	171.7	12.36	7.865	8.665
-58	-53.62	2.499	0.079	0.018	24.66	15.32	220.2	15.85	10.09	11.11
-56	-51.69	3.188	0.101	0.023	31.47	19.55	281.0	20.22	12.87	14.18
-54	-49.77	4.049	0.128	0.029	39.96	24.83	356.8	25.68	16.34	18.01
-52	-47.85	5.118	0.161	0.037	50.51	31.39	451.0	32.46	20.66	22.76
-50	-45.94	6.439	0.203	0.047	63.55	39.49	567.4	40.84	25.99	28.63
-48	-44.04	8.065	0.254	0.059	79.60	49.46	710.7	51.15	32.55	35.86
-46	-42.14	10.06	0.317	0.073	99.27	61.69	886.3	63.79	40.60	44.73
-44	-40.24	12.49	0.394	0.091	123.3	76.61	1,101	79.23	50.42	55.55
-42	-38.35	15.45	0.487	0.112	152.5	94.75	1,361	97.99	62.36	68.71
-40	-36.47	19.03	0.600	0.138	187.8	116.7	1,677	120.7	76.83	84.64
-38	-34.59	23.35	0.737	0.170	230.5	143.2	2,058	148.1	94.27	103.9
-36	-32.72	28.55	0.901	0.207	281.8	175.1	2,516	181.1	115.2	127.0
-34	-30.85	34.77	1.097	0.252	343.2	213.3	3,064	220.5	140.4	154.6
-32	-28.99	42.20	1.331	0.306	416.5	258.8	3,718	267.6	170.3	187.7
-30	-27.13	51.03	1.610	0.371	503.6	313.0	4,497	323.7	205.9	226.9
-28	-25.28	61.50	1.940	0.447	607.0	377.2	5,419	390.1	248.3	273.5
-26	-23.44	73.87	2.330	0.536	729.1	453.1	6,510	468.5	298.2	328.5
-24	-21.60	88.45	2.790	0.642	872.9	542.4	7,794	560.9	357.0	393.3
-22	-19.77	105.6	3.330	0.766	1,042	647.4	9,301	669.5	426.1	469.4
-20	-17.94	125.6	3.962	0.912	1,239	770.2	11,066	796.5	506.9	558.5
-18	-16.12	149.0	4.699	1.082	1,470	913.6	13,127	944.8	601.3	662.4
-16	-14.31	176.2	5.558	1.279	1,739	1,080	15,525	1,117	711.1	783.5
-14	-12.5	207.8	6.554	1.509	2,050	1,274	18,308	1,318	838.6	923.9
-12	-10.69	244.3	7.707	1.774	2,411	1,498	21,529	1,550	986.2	1,086
-10	-8.89	286.5	9.039	2.080	2,828	1,757	25,248	1,817	1,157	1,274
-8	-7.11	333.1	10.57	2.433	3,307	2,055	29,529	2,125	1,353	1,490
-6	-5.32	390.9	12.33	2.838	3,858	2,397	34,447	2,479	1,578	1,738
-4	-3.54	454.8	14.35	3.303	4,489	2,790	40,080	2,885	1,836	2,023
-2	-1.77	527.9	16.65	3.833	5,210	3,238	46,518	3,348	2,131	2,348
0	0	611.2	19.28	4.438	6,032	3,749	53,859	3,876	2,467	2,718
2	1.76	706.0	22.27	5.126	6,967	4,330	62,209	4,477	2,850	3,139
4	3.52	813.5	25.66	5.907	8,029	4,989	71,686	5,160	3,284	3,618
6	5.27	935.3	29.51	6.791	9,231	5,736	82,418	5,932	3,775	4,159
8	7.01	1,073	33.85	7.791	10,589	6,580	94,545	6,805	4,331	4,771
10	8.75	1,228	38.74	8.918	12,121	7,532	108,221	7,789	4,957	5,461
12	10.48	1,403	44.25	10.19	13,844	8,603	123,610	8,897	5,662	6,238
14	12.21	1,599	50.44	11.61	15,780	9,806	140,893	10,141	6,454	7,110
16	13.93	1,819	57.38	13.21	17,950	11,154	160,264	11,535	7,341	8,088
18	15.65	2,065	65.13	14.99	20,377	12,662	181,934	13,095	8,334	9,181
20	17.35	2,339	73.80	16.99	23,087	14,346	206,130	14,836	9,442	10,402
22	19.06	2,645	83.45	19.21	26,107	16,223	233,098	16,777	10,678	11,763
24	20.75	2,986	94.19	21.68	29,467	18,311	263,100	18,936	12,052	13,277
26	22.45	3,364	106.0	24.43	33,199	20,630	296,419	21,335	13,578	14,959
28	24.13	3,783	119.0	27.47	37,336	23,201	333,357	23,993	15,270	16,823
30	25.81	4,247	133.0	30.84	41,915	26,047	374,240	26,936	17,143	18,886
32	27.48	4,760	148.0	34.56	46,974	29,191	419,414	30,187	19,121	21,166
34	29.15	5,325	164.0	38.67	52,556	32,659	469,248	33,774	21,495	23,681
36	30.81	5,948	181.0	43.19	58,703	36,479	524,136	37,724	24,010	26,451
38	32.47	6,633	199.0	48.16	65,464	40,680	584,498	42,069	26,775	29,497
40	34.12	7,385	218.0	53.63	72,887	45,293	650,779	46,839	29,811	32,842
42	35.77	8,210	238.0	59.61	81,026	50,351	723,450	52,070	33,140	36,509
44	37.41	9,113	259.0	66.17	89,937	55,889	803,013	57,796	36,784	40,525
46	39.04	10,100	282.0	73.34	99,680	61,943	889,998	64,057	40,769	44,914
48	40.67	11,178	307.0	81.16	110,316	68,552	984,963	70,892	45,119	49,707
50	42.29	12,353	334.0	89.69	121,912	75,758	1,088,501	78,344	49,862	54,932
52	43.91	13,632	363.0	98.98	134,538	83,604	1,201,234	86,458	55,026	60,621
54	45.52	15,023	394.0	109.1	148,268	92,136	1,323,817	95,281	60,641	66,807
56	47.13	16,534	427.0	120.1	163,178	101,402	1,456,942	104,862	66,739	73,525
58	48.73	18,173	463.0	132.0	179,349	111,451	1,601,333	115,255	73,354	80,812
60	50.32	19,948	502.0	144.8	196,868	122,337	1,757,751	126,513	80,519	88,706
62	51.91	21,868	544.0	158.8	215,823	134,116	1,926,993	138,694	88,271	97,247
64	53.49	23,944	589.0	173.9	236,308	146,846	2,109,895	151,858	96,650	106,477
66	55.07	26,184	637.0	190.1	258,421	160,587	2,307,330	166,068	105,694	116,441
68	56.65	28,600	688.0	207.7	282,264	175,404	2,520,211	181,390	115,445	127,184
70	58.22	31,202	742.0	226.6	307,943	191,361	2,749,491	197,893	125,948	138,755
72	59.78	34,002	800.0	246.9	335,571	208,530	2,996,166	215,647	137,248	151,203
74	61.34	37,010	862.0	268.7	365,262	226,981	3,261,270	234,728	149,392	164,582
76	62.89	40,240	929.0	292.2	397,139	246,789	3,545,884	255,212	162,429	178,945
78	64.44	43,704	1,001.0	317.3	431,326	268,034	3,851,128	277,182	176,412	194,350
80	65.98	47,416	1,079.0	344.3	467,955	290,796	4,178,170	300,721	191,393	210,854
82	67.52	51,388	1,164.0	373.1	507,161	315,159	4,528,220	325,915	207,428	228,519
84	69.05	55,636	1,256.0	404.0	549,084	341,211	4,902,534	352,856	224,574	247,409
86	70.58	60,174	1,356.0	436.9	593,871	369,042	5,302,416	381,638	242,892	267,590
88	72.09	65,017	1,464.0	472.1	641,672	398,747	5,729,215	412,356	262,443	289,128
90	73.62	70,182	1,579.0	509.6	692,645	430,422	6,184,327	445,113	283,290	312,096
92	75.13	75,685	1,702.0	549.6	746,950	464,168	6,669,197	480,011	305,501	336,565
94	76.64	81,542	1,834.0	592.1	804,756	500,090	7,185,318	517,158	329,143	362,611
96	78.14	87,771	1,976.0	637.3	866,234	538,294	7,734,232	556,666	354,288	390,313
98	79.64	94,391	2,129.0	685.4	931,564	578,891	8,317,532	598,648	381,008	419,749
100	81.13	101,419	2,294.0	736.4	1,000,928	621,995	8,936,858	643,224	409,378	451,004