

Dew-point Temperature Finder

pressure = 1.01325 bar (standard barometric pressure at sea level)

Temp, °C	Relative Humidity									
	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
7	-20	-13	-8	-5	-2	0	2	4	5	7
8	-20	-12	-8	-4	-2	1	3	5	6	8
9	-19	-11	-7	-3	-1	2	4	6	7	9
10	-18	-10	-6	-2	0	3	5	7	8	10
11	-17	-9	-5	-1	1	4	6	8	9	11
12	-17	-8	-4	0	2	5	7	9	10	12
13	-16	-7	-3	1	3	6	8	10	11	13
14	-15	-6	-2	2	4	7	9	11	12	14
15	-15	-5	-1	3	5	8	10	12	13	15
16	-14	-4	0	4	6	9	11	13	14	16
17	-13	-3	1	5	7	10	12	14	15	17
18	-13	-2	2	6	8	11	13	15	16	18
19	-12	-1	3	7	9	12	14	16	17	19
20	-11	0	4	8	10	13	15	17	18	20
21	-10	1	5	9	11	14	16	18	19	21
22	-10	2	6	10	12	15	17	19	20	22
23	-9	3	7	11	13	16	18	20	21	23
24	-8	4	8	12	14	17	19	21	22	24
25	-8	5	9	13	15	18	20	22	23	25
26	-7	6	10	14	16	19	21	23	24	26
27	-6	7	11	15	17	20	22	24	25	27
28	-6	8	12	16	18	21	23	25	26	28
29	-5	9	13	17	19	22	24	26	27	29
30	-4	10	14	18	20	23	25	27	28	30
31	-4	11	15	19	21	24	26	28	29	31
32	-3	12	16	20	22	25	27	29	30	32
33	-2	13	17	21	23	26	28	30	31	33
34	-2	14	18	22	24	27	29	31	32	34
35	-1	15	19	23	25	28	30	32	33	35
36	0	16	20	24	26	29	31	33	34	36
37	0	17	21	25	27	30	32	34	35	37
38	1	18	22	26	28	31	33	35	36	38



What is the dew-point your water-from-air equipment has to work with?

Find dew-point of air (deg C), given:

- pressure (bar),
- dry bulb temperature (deg C), and
- relative humidity (%) of the air entering the water-from-air equipment.

Standard barometric pressure at sea level (1013.25 mb = 101.325 kPa) can be assumed in most habitable locations and elevations.

The Standard Test Conditions for dehumidifiers (AHAM DH-1-2008) are 26.7 deg C, 60% RH associated with dew-point of 18.3 deg C.