

#### **INSTRUCTIONS FOR USE**

1. Remove the wet-bulb thermometer's water reservoir by unscrewing it from the housing in a counter-clockwise direction.
2. Fill the reservoir with water.
3. Replace the reservoir by screwing it on to the housing in a clockwise direction.
4. Hang the unit on a vertical surface. (Make certain that the unit sits flush with the vertical surface so that it is not subject to swinging or unnecessary movement.)

5. The supplied chart may be used to calculate the approximate relative humidity

Upon initial installation, or installation in a new location, allow approximately 2 hours for the thermometers to reach equilibrium to the environment.

Periodically check the wet-bulb's water reservoir and refill as needed.

### **MASON'S HYGROMETER INSTRUCTIONS**

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## Humidity Chart

The numbers on the **side** of the chart represent the **dry-bulb temperature**. The numbers at the **top** represent the **difference between the dry and wet bulb temperature**. Measurements are in °C. The point at which the row and the column intersects is the approximate percentage humidity in the air. For example, if the dry bulb temperature is 20°C, and the wet bulb depression is 5.5°C, then the humidity is approximately 55 percent.

	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	11	12	13	14	15	16
40	97	94	91	88	85	82	80	77	74	72	69	67	64	62	60	57	55	53	51	48	44	40	37	33	29	26
39	97	94	91	88	85	82	79	77	74	71	69	66	64	61	59	57	54	52	50	48	44	40	36	32	28	25
38	97	94	91	87	85	82	79	76	74	71	68	66	63	61	58	56	54	51	49	47	43	39	35	31	27	24
37	97	94	91	87	85	82	79	76	73	70	68	65	63	60	58	55	53	51	48	46	42	38	34	30	26	23
36	97	94	90	87	84	81	78	76	73	70	67	65	62	60	57	55	52	50	48	45	41	37	33	29	25	21
35	97	93	90	87	84	81	78	75	72	70	67	64	61	59	56	54	51	49	47	44	40	36	32	28	24	20
34	97	93	90	86	84	81	78	75	72	69	66	64	61	58	56	53	51	48	46	44	39	35	30	26	23	19
33	97	93	90	86	83	80	77	74	71	69	66	63	60	58	56	52	50	47	45	43	38	34	29	25	21	16
32	97	93	90	86	83	80	77	74	71	68	66	62	60	57	54	52	49	46	44	42	37	32	28	24	20	16
31	96	93	90	86	83	80	77	73	70	67	64	62	59	56	53	51	48	45	43	41	36	31	27	22	18	14
30	96	93	89	86	83	79	76	73	70	67	64	61	58	55	52	50	47	44	42	39	34	30	25	21	17	13
29	96	93	89	86	82	79	76	72	69	66	63	60	57	54	52	49	46	43	41	38	33	28	24	19	15	11
28	96	93	89	85	82	79	75	72	69	65	62	59	56	53	51	48	45	42	40	37	32	27	22	18	13	9
27	96	92	88	85	82	78	75	71	68	65	62	59	56	52	50	47	44	41	38	36	30	25	21	16	11	7
26	96	92	88	85	81	78	74	71	67	64	61	58	55	51	49	46	43	40	37	34	29	24	19	14	9	5
25	96	92	88	84	81	77	74	70	67	63	60	57	54	50	47	44	41	38	36	33	27	22	17	12	7	3
24	96	92	88	84	80	77	73	69	66	62	59	56	52	49	46	43	40	37	34	31	26	21	15	10	5	
23	96	92	88	84	80	76	72	69	65	62	58	55	51	48	45	42	39	36	33	30	24	18	13	8	3	
22	96	92	87	83	79	76	72	68	64	61	57	54	50	47	44	40	39	36	33	30	22	16	11	5		
21	96	91	87	83	79	75	71	67	63	60	56	52	49	46	42	39	35	32	29	26	20	14	8	3		
20	96	91	87	83	78	74	70	66	62	59	55	51	48	44	41	37	34	30	27	24	18	12	6			
19	95	91	86	82	78	74	70	65	61	58	54	50	46	43	39	35	32	29	25	22	15	9	3			
18	95	91	86	81	77	73	69	65	60	56	52	49	45	41	37	34	30	27	23	20	13	7				
17	95	90	86	81	77	72	68	64	59	55	51	47	43	39	35	32	28	24	21	17	10	4				
16	95	90	85	81	76	71	67	62	58	54	50	46	41	37	34	30	26	22	18	15	8	1				
15	95	90	85	80	75	71	66	61	57	52	48	44	40	36	31	27	24	20	16	12	5					
14	95	90	84	79	74	70	65	60	56	51	47	42	38	33	29	25	21	17	14	9	2					
13	95	89	84	79	74	69	64	59	54	49	45	40	36	31	27	23	18	14	10	6						
12	94	89	83	78	73	68	63	57	53	48	43	38	34	29	24	20	16	11	7	3						
11	94	88	83	77	72	66	61	56	51	46	41	36	31	26	22	17	13	8	4							