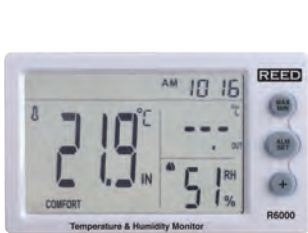


Comparison of REED Thermo-Hygrometers and Psychrometers



MODEL	R6000	R1910	LM-81HT	R6001
TEMPERATURE				
Measuring Range	14 to 122°F (-10 to 50°C)	14 to 140°F (-10 to 60°C)	32 to 122°F (0 to 50°C)	-4 to 140°F (-20 to 60°C)
Accuracy	14 to 32°F (-10 to 0°C): ±3.6°F (2°C), 32 to 104°F (0 to 40°C): ±1.8°F (1°C), 104 to 122°F (40 to 50°C): ±3.6°F (2°C)	±2.0°F (1.0°C)	±2.5°F (1.2°C)	±1.6°F (0.8°C)
Resolution	0.1°F (°C)	0.1°F (°C)	0.1°F (°C)	0.1°F (°C)
CONTACT TEMPERATURE (PROBE SOLD SEPARATELY)				
Measuring Range	-40 to 122°F (-40 to 50°C)	N/A	N/A	N/A
Accuracy	-40 to 32°F (-40 to 0°C): ±3.6°F (2°C), 32 to 104°F (0 to 40°C): ±1.8°F (1°C), 104 to 122°F (40 to 50°C): ± (3.6°F (2°C)	N/A	N/A	N/A
Resolution	0.1°F (°C)	N/A	N/A	N/A
DEW POINT				
Measuring Range	N/A	N/A	N/A	N/A
Accuracy	N/A	N/A	N/A	N/A
Resolution	N/A	N/A	N/A	N/A
WET BULB				
Measuring Range	N/A	N/A	N/A	N/A
Accuracy	N/A	N/A	N/A	N/A
Resolution	N/A	N/A	N/A	N/A
HUMIDITY				
Measuring Range	20 to 95% RH	0 to 100% RH	10 to 95% RH	0 to 100% RH
Accuracy	40 to 80% : ±5% <40% and >80%: ±8%	±5% RH	±5% RH	±3% RH
Resolution	1% RH	0.1% RH	0.1% RH	0.1% RH
GENERAL SPECIFICATIONS				
Display	LCD	Dual LCD	Dual LCD	Dual LCD
Display Backlight	N/A	Yes	N/A	N/A
Data Hold	N/A	Yes	Yes	Yes
Min	Yes (IN/OUT/RH)	Yes	Yes	Yes
Max	Yes (IN/OUT/RH)	Yes	Yes	Yes
Relative Function	N/A	N/A	N/A	Yes
Overrange Indicator	Yes	Yes	Yes	Yes
Datalogging Capabilities	N/A	N/A	N/A	N/A
Real-Time Clock and Date Stamp	Yes	N/A	N/A	N/A
Settable Alarms	Yes (Alarm Clock)	N/A	N/A	N/A
Sampling Rate	10 seconds	1 time/sec.	N/A	2.5 times/sec.
Internal Memory	N/A	N/A	N/A	N/A
External Memory	N/A	N/A	N/A	N/A
Auto Shut-off	N/A	Yes (after 5 mins)	Yes (after 10 mins)	Yes (after 30 mins)
Kick Stand	Yes	N/A	N/A	N/A
Tripod Mountable	N/A	N/A	N/A	N/A
Magnetic Backing	N/A	N/A	N/A	N/A
Low Battery Indicator	N/A	Yes	Yes	Yes
Power Supply	AAA Battery	3 x AAA Batteries	9V Battery	9V Battery
Battery Life	N/A	N/A	N/A	N/A
Output	N/A	N/A	N/A	N/A
Bluetooth® Range	N/A	N/A	N/A	N/A
Max # of Connected Devices	N/A	N/A	N/A	N/A
PC Connectivity	N/A	N/A	N/A	N/A
Software	N/A	N/A	N/A	N/A
Software Compatability	N/A	N/A	N/A	N/A
App Supported Languages	N/A	N/A	N/A	N/A
Adjustable Flex Probe	N/A	N/A	N/A	N/A
Probe Shaft Length	N/A	N/A	N/A	2.4" (61mm)
Probe Diameter	N/A	N/A	N/A	0.59" (15mm)
Product Certifications	CE, RoHS	CE	CE	CE
Operating Temperature	14 to 122°F (-10 to 50°C)	32 to 122°F (0 to 50°C)	32 to 122°F (0 to 50°C)	-4 to 140°F (-20 to 60°C)
Storage Temperature	14 to 140°F (-10 to 60°C)	14 to 140°F (-10 to 60°C)	14 to 140°F (-10 to 60°C)	14 to 140°F (-10 to 60°C)
Operating Humidity	10 to 80% RH	10 to 80% RH	10 to 80% RH	10 to 80% RH
Operating Altitude	6561' (2000m)	6561' (2000m)	6561' (2000m)	6561' (2000m)
Dimensions	5.1 x 1 x 3.1" (130 x 25 x 78mm)	6.3 x 2 x 1.1" (155 x 50 x 28mm)	6.1 x 2.4 x 1.3" (156 x 60 x 33mm)	9.5 x 2.1 x 1.3" (240 x 54 x 34mm)
Weight	3.9 oz (110g)	4.2 oz (119g)	5.6 oz (160g)	6.4 oz (180g)

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Comparison of REED Thermo-Hygrometers and Psychrometers



MODEL	R1610	R6020	R6030	8706	R6050SD
TEMPERATURE					
Measuring Range	-4 to 140°F (-20 to 60°C)	-40 to 158°F (-40 to 70°C)	-40 to 158°F (-40 to 70°C)	-4 to 158°F (-20 to 70°C)	32 to 122°F (0 to 50°C)
Accuracy	-4 to 32°F (-20 to 0°C): ±1.6°F (0.8°C) 32 to 140°F (0 to 60°C): ±1°F (0.5°C)	±1.8°F (1.0°C)	±1.8°F (1.0°C)	±1.0°F (0.6°C)	±0.8°F (1.5°C)
Resolution	0.1°F (°C)	0.1°F (°C)	0.1°F (°C)	0.1°F (°C)	0.1°F (°C)
CONTACT TEMPERATURE (PROBE SOLD SEPARATELY)					
Measuring Range	N/A	N/A	N/A	-4 to 122°F (-20 to 50°C)	Type K: -148 to 2372°F (-100 to 1300°C) Type J: -148 to 2192°F (-100 to 1200°C)
Accuracy	N/A	N/A	N/A	±1.0°F (0.6°C)	±0.4% rdg +1.8°F (1°C)
Resolution	N/A	N/A	N/A	0.1°F (°C)	0.1°F (°C)
DEW POINT					
Measuring Range	N/A	N/A	N/A	-109 to 122°F (-78 to 50°C)	13 to 120°F (-25 to 48°C)
Accuracy	N/A	N/A	N/A	±3%	Sum of temp and RH accuracy
Resolution	N/A	N/A	N/A	0.1°F (°C)	0.1°F (°C)
WET BULB					
Measuring Range	N/A	N/A	N/A	-69 to 122°F (-21 to 50°C)	-6 to 122°F (-21 to 50°C)
Accuracy	N/A	N/A	N/A	±3%	Sum of temp and RH accuracy
Resolution	N/A	N/A	N/A	0.1°F (°C)	0.1°F (°C)
HUMIDITY					
Measuring Range	0 to 100% RH	0 to 100% RH	0 to 100% RH	0 to 100% RH	5 to 95% RH
Accuracy	0 to 20% & 80 to 100%: ±5%, 20 to 80%: ±3.5%	0 to 20% & 80 to 100%: ±5%, 20 to 40% & 60 to 80%: ±3.5%, 40 to 60%: ±3%	0 to 20% & 80 to 100%: ±5%, 20 to 40% & 60 to 80%: ±3.5%, 40 to 60%: ±3%	±3% RH	≥70% RH: ±(3% rdg. + 1% RH), <70% RH: ±3% RH
Resolution	0.1% RH	0.1% RH	0.1% RH	0.1% RH	0.1% RH
GENERAL SPECIFICATIONS					
Display	Multi-line EBTN LCD	N/A	Dual LCD	LCD	Dual LCD
Display Backlight	Yes	N/A	N/A	N/A	Yes
Data Hold	Yes	N/A	N/A	Yes	Yes
Min	N/A	N/A	Yes	Yes	Yes
Max	N/A	N/A	Yes	Yes	Yes
Relative Function	N/A	N/A	N/A	N/A	N/A
Overrange Indicator	Yes	Yes	Yes	Yes	Yes
Datalogging Capabilities	Yes (w/ Smart Series App)	Yes	N/A	N/A	Yes
Real-Time Clock and Date Stamp	Yes (w/ Smart Series App)	Yes	N/A	N/A	Yes
Settable Alarms	N/A	Yes (temp. and RH)	Yes (temp. and RH)	N/A	N/A
Sampling Rate	Yes (adjustable)	Yes (2 secs to 24 hours)	Yes (2 secs to 24 hours)	N/A	Yes (1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600s)
Internal Memory	N/A	32k readings (16,000 temp. & 16,000 humidity)	32k readings (16,000 temp. & 16,000 humidity)	N/A	N/A
External Memory	N/A	N/A	N/A	N/A	Yes, expandable up to 16Gb with SD card (opt.)
Auto Shut-off	Yes (adjustable)	N/A	N/A	Yes (after 5 mins)	Yes (after 10 mins)
Kick Stand	N/A	N/A	N/A	N/A	Yes
Tripod Mountable	Yes	N/A	N/A	N/A	Yes
Magnetic Backing	Yes	N/A	N/A	N/A	N/A
Low Battery Indicator	Yes	N/A	Yes	Yes	Yes
Power Supply	4 x AAA Batteries	3.6V Battery	3.6V Battery	2 x AAA Batteries	6 x AA Batteries or AC Adapter (optional)
Battery Life	Approx 50 Hours (Sampling Time Dependents)	N/A	N/A	N/A	N/A (Sampling Time Dependent)
Output	Bluetooth® 5.0	N/A	N/A	N/A	Yes (AC)
Bluetooth® Range	Up to 246' (75m)	N/A	N/A	N/A	N/A
Max # of Connected Devices	6	N/A	N/A	N/A	N/A
PC Connectivity	N/A	Yes (USB)	Yes (USB)	N/A	N/A
Software	REED Smart Series App	Included	Included	N/A	N/A
Software Compatability	IOS, Android	Windows 7,8,10	Windows 7,8,10	N/A	N/A
App Supported Languages	English, French	N/A	N/A	N/A	N/A
Adjustable Flex Probe	Yes (90° swivel)	N/A	N/A	N/A	N/A
Probe Shaft Length	3.7" (95mm)	N/A	N/A	N/A	7.0" (177mm)
Probe Diameter	0.43" (11mm)	N/A	N/A	N/A	<1.9" (48mm)
Product Certifications	CE, UKCA, FCC, IC ID	CE	CE	CE	CE
Operating Temperature	-4 to 140°F (-20 to 60°C)	-31 to 176°F (-35 to 80°C)	32 to 122°F (0 to 50°C)	-4 to 158°F (-20 to 70°C)	32 to 122°F (0 to 50°C)
Storage Temperature	-4 to 140°F (-20 to 60°C)	-31 to 176°F (-35 to 80°C)	14 to 140°F (-10 to 60°C)	14 to 140°F (-10 to 60°C)	14 to 140°F (-10 to 60°C)
Operating Humidity	10 to 90% RH	10 to 80% RH	10 to 80% RH	10 to 80% RH	10 to 80% RH
Operating Altitude	6561' (2000m)	6561' (2000m)	6561' (2000m)	6561' (2000m)	6561' (2000m)
Dimensions	9.4 x 1.5 x 1" (240 x 38 x 25mm)	4 x 1 x 9" (101 x 25 x 23mm)	3.7 x 1.9 x 1.3" (94 x 48 x 33mm)	7 x 1.9 x 1" (179 x 48 x 25mm)	7 x 2.7 x 1.9" (177 x 68 x 45mm)
Weight	3.2 oz (88g)	6 oz (172g)	4.1 oz (115g)	3.3 oz (95g)	1.13 lb (515g)

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