



DIGITAL PSYCHROMETER MODEL SAM990DW



- 1) Remove plastic sensor cover.
- 2) Turn meter on by pressing the "ON/OFF" button.
- 3) Press and hold "C/F" key to convert reading to desired range. Both temperature and humidity readings will be displayed simultaneously.

MIN/MAX FUNCTION

- 1) Press and hold the "MN/MX" button until (MIN) appears on the display. Display is now showing the minimum humidity and temperature reading in memory.
- 2) Press and hold the "MN/MX" button until (MAX) appears on the display. Display is now showing the maximum humidity and temperature reading in memory.
- 3) To return to current temperature and humidity readings press and hold "MN/MX" until (MIN) or (MAX) disappear from the display.
- 4) To clear current Min/Max values from the memory, press and hold the "RST" button until the entire display flashes.

DATA HOLD FUNCTION

- 1) Press the "HOLD" button until (HLD) appears on the display. The current reading is now being held and will not change until the hold function is cancelled.
- 2) Press and hold the "RST" button to cancel the hold function. The data hold function can be used for temperature, humidity and dew point.

DEW POINT FUNCTION

- 1) Press and hold the "td/WBT" button until (td) appears on the display. Unit will now display dew point temperature.

WET BULB FUNCTION

- 1) Press and hold the "td/WBT" button until (WB) appears on the left side of the display. Unit will now display wet bulb temperature.
- 2) Intermittent flashing of (WB) indicates that the current reading is being calculated and updated due to constant changes in humidity and temperature in the environment.

TO EXIT DEW POINT/WET BULB FUNCTION

- 1) Press and hold the "td/WBT" button until (td) or (WB) disappears from the display.

AUTO POWER OFF FEATURE

- 1) Unit will turn itself off after 20 minutes (sleep mode).
- 2) To override the auto power off function (non-sleep mode) press the "ON/OFF" and "MN/MX" buttons simultaneously. After the full display appears, release "ON/OFF" button. The display will show (n). When (n) appears release "MN/MX" button. Unit will now be in non-sleep mode.

LOW BATTERY INDICATOR

- 1) Low battery indication is signaled by the entire display flashing. This means you must replace the batteries at once. Failure to replace batteries will have an effect on the accuracy of readings received from the hygrometer.

NOTE

- 1) Remember, low batteries will tend to give inaccurate readings, so make sure to have fresh batteries.
- 2) Condensation will not affect meters accuracy.

CAUTION

- 1) Please do not immerse probe into liquids as this will cause permanent damage to the sensor.

SPECIFICATIONS

Functions:	Temperature, Humidity, Dew Point, Wet Bulb, Min/Max, Data Hold, Auto Power Off
Temp. Range:	-4 to 122°F (-20 to 50°C)
Temp. Accuracy:	±1.8°F (±1°C)
RH Range:	0 to 100% RH
RH Accuracy:	±3% RH at 77°F within 10 to 90% RH, ±4% RH at all other ranges
Resolution:	1°F/C, 1% RH
Response Time:	60 seconds typical
Size (H x W x D):	6.7" x 1.85" x 0.5" (168 mm x 47mm x 15mm)
Power Source:	2 "AAA" batteries
Battery Life:	500 hours
Sensor:	Electronic capacitance polymer film (Sensor microprocessor based design)