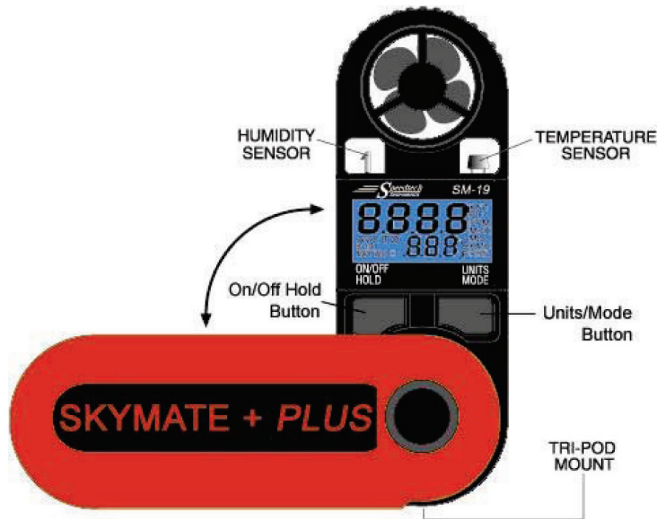


Getting Started

Your Skymate Plus package contains one Lithium CR2032 battery (already installed), calibration numbers (on a small white paper included with the manual), and a lanyard. It is **very important** that you keep the calibration numbers with your manual. **Do not throw the calibration paper away!** To install the lanyard, feed one end through the hole at the bottom of the handle and tie it to the other end. Open case and click into fully opened position or, if using a tripod, click to the 90-degree position. Your Skymate Plus has sensitive sensors. Hold the Skymate Plus at the bottom of the handle, away from your face and body, to avoid getting false readings.



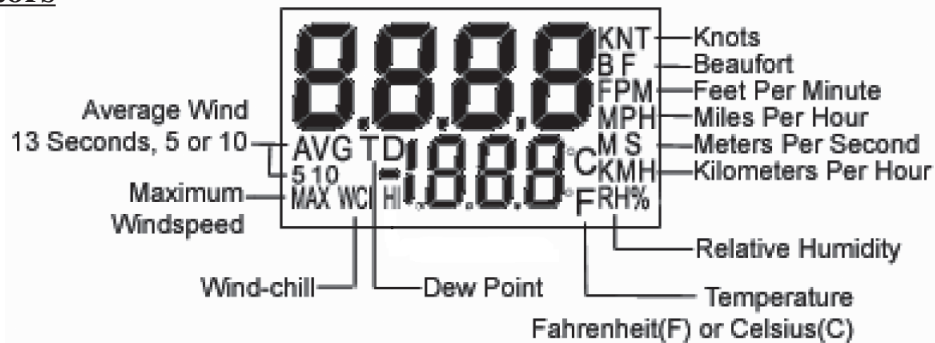
Operating Modes

Turn the unit on using the left button. Use the right button to scroll to the desired wind function. To change between humidity, dew point (TD), wind-chill and temperature press & hold down the on/off button and press mode. To turn off the unit, press and hold the on/off button for about 3 seconds, then release.

Units of Measure

With the Skymate Plus off, press and hold the on/off key for 3 seconds. The display will flash. While flashing, press the mode to select wind measurements. Press On/Off and Mode together to select between Celsius and Fahrenheit.

General Indicators



Modes

Current Windspeed:

In current windspeed mode, only the unit of measure will be shown. You can hold gusts by pressing and holding the hold button.

Maximum Windspeed:

Displays maximum speed recorded since the unit was turned on.

Units of Measure:

The Skymate Plus measures windspeed in six different units of measure. Knots, Beaufort, Feet Per Minute, Miles Per Hour, Meters Per Second, and Kilometers Per Hour. To switch between units of measure please see the Units of Measure section for instruction

Average Windspeed:

Displays a running average over 5, 10 or 13 seconds

Wind-Chill:

Displays the effect that air temperature combined with windspeed has on human skin.

General Temperature

Displays the temperature in Fahrenheit or Celsius.

Dew point:

Displays the temperature at which air becomes saturated with moisture (the temperature at which fog will form).

Relative Humidity

Displays the current relative humidity. Relative humidity is the amount of moisture measured in the air. Your Skymate Plus comes pre-calibrated from the factory for relative humidity. However, the Skymate Plus can be calibrated manually for more demanding field requirements. To calibrate the relative humidity, see the Humidity Calibration section.

Humidity Re-calibration: *(Your Skymate Plus comes pre-calibrated from the factory.)*



Figure A



Figure B

First, locate your calibration paper that was supplied with your Skymate Plus (it is a small white slip of paper with numbers on it). You will find on the bottom left corner the word **VOUT**, followed by two numbers (voltage input value at 0% and 75%). It will look similar to this:

Vout @0% = 0.744 @75.3% = 3.056

With the unit on, press and hold the mode button and the on/off button at the same time for about 2 minutes. Next, release the on/off button and instantly press it again (do not hold it this time) and then release the mode button. You will now see the number 700 displayed on the screen. Enter the first voltage input number (744 in the example above) into this screen by pressing the mode button to scroll up (omitting the decimal). When finished, press the on/off button again, you will see the number 3000. Enter the second voltage input number (3056 in the example above) here, using the same procedure as before. To store the changes, press the on/off button. The unit will then shut off with the new values stored internally. **NOTE:** It is **very important** that the voltage input information be kept with your Skymate Plus instructions. If this paper is lost, you will need to call WeatherHawk's technical support line at (435) 750-1840 to acquire the correct calibration information.

Impeller Replacement

To replace the impeller, use a small screwdriver (preferably a #2 phillips head screwdriver) to loosen the set-screw on the back of the unit. Remove the impeller by turning it clockwise (if you are facing the back of the windmeter) to the "O" position.

Battery

To replace the battery, turn the compartment cover clockwise to remove it. The battery will be visible in the battery compartment. Note the position of the battery and replace with a new **CR2032 lithium battery** in the same position. The CR2032 battery can be purchased anywhere batteries are sold.