

Speedtech Instruments 703 430 8055 (parts) or [www.speedtech.com](http://www.speedtech.com) (info, manuals, FAQ)

## SKYMATE OPERATION (Ver. 8998/May 2004)

Open the case and click into the fully opened position OR, if using a tri/unipod, click to 90-degree position and attach, using the threaded fitting in the bottom of the case.

POWER ON by pressing the ON/OFF button momentarily.

POWER OFF by pressing and holding the ON/OFF button for approx. 3 seconds.

AUTO POWER OFF: if the meter is inactive for approx. 5 minutes, it will automatically shut down to preserve the battery.

TAKING MEASUREMENTS: Hold or place the meter so airflow enters the vane (impeller) from the rear of the unit. When holding the meter, hold it at arm's length, away from your body.

**CAUTION:** The Skymate is very accurate at low and mid-range air speeds. Consistent use at very high speeds, ie. from the window of a fast-moving car, will damage the impeller's bearing and reduce accuracy. See below for impeller replacement.

**OPERATION:** Press the ON/OFF button to turn on the unit. Press MODE button to scroll through Temp, Temp with Windchill (WCI), or Windspeed/Air Velocity. Release the MODE button when you reach the desired option. **The measurement units are selected while the appropriate feature is displayed.**

### SETTING MEASUREMENT UNITS:

When the temperature is displayed, press and hold ON/OFF button, then press MODE key to toggle between F or C. Release the ON/OFF and MODE buttons when the desired unit is displayed.

When the current windspeed is displayed, press and hold ON/OFF button, then press the MODE key repeatedly to scroll through options (MS, FPM, KNT, KMH, MPH, BF (Beaufort)). Release the ON/OFF and MODE buttons when the desired unit is displayed.

**NOTE:** When you restart your Skymate, it will default to the last mode and unit used.

WINDSPEED AVERAGE MODE: You may select average readings over 5 (AV5), 10 (AV10) or 13 (AV13) seconds. Press MODE repeatedly to select desired average. **Example:** Select AV5 then press ON/OFF key to start the display. Reading will appear and freeze after 5 secs. Press ON/OFF to restart. Same applies to AV10, AV13. To exit, press the MODE button until the icons at the top disappear.

MAXIMUM WINDSPEED HOLD: Press the MODE button repeatedly until the MAX icon appears. After a measurement session, the LCD will show the highest windspeed measured since selecting the MAX icon. Press the MODE button repeatedly to return to current windspeed or other options.

DISABLE AUTO-OFF FEATURE: Turn OFF the unit by holding the ON/OFF button for approx. 3 seconds. Then hold down the ON/OFF button until the display shows "n," then release the ON/OFF button. The AUTO-OFF feature is now invalid. To reactivate, repeat the process until the "n" disappears.

LOW BATTERY: When you see the battery icon in the upper R corner, the battery is low and should be changed as soon as possible, or accuracy will become an issue. Skymate uses a Lithium CR2032 battery, available almost anywhere. To change the battery, open the slotted cover on the back (a quarter works well, turn clockwise). When installed, the battery should have the printed side showing.

WIND IMPELLER REPLACEMENT: If the impeller is damaged or the unit appears inaccurate, the impeller can be replaced. Loosen the set-screw found on the back. Remove the impeller by twisting the impeller assembly clockwise (if you are facing the back of the windmeter) to the "O" position marked on the rear of the meter. Install the new impeller by reversing these instructions.