



# WeatherHawk



## SpeedTech RH recalibration of Skymate, Skymate Plus, and the Skymaster

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This procedure describes how to find the calibration numbers and calibrate the Relative Humidity Sensor and of the WeatherHawk/SpeedTech devices. It applies to the handheld wind devices, SM-18, SM-19, and SM-28.

This procedure does not require training, special tools, or test equipment. There is no personal electrical hazard involved, and this procedure can be accomplished by anyone possessing basic mechanical skills. Please read this entire procedure before beginning work.

### Tools required:

- ✓ Small Flat blade screw driver or tweezers

1. When viewing the device from the front you will see the model number on the top right side of the screen cover. This screen cover is applied to the device using basic adhesive. (See Fig 1)
2. If using a small flat blade screw driver or tweezers you can gently peel back the screen protector to reveal the calibration numbers wrote on the device.(See Fig 2)
3. The numbers should be wrote down to avoid damaging the screen protector.



Figure 1



Figure 2

4. After the numbers have been wrote down firmly press the screen protector back onto the device and it should stick to the device.
5. To Recalibrate the device start by turning on the unit. With the unit on, press and hold the on/off button for 10 seconds. The display will turn off and then back on, displaying the number 700 (Fig. 3). Enter the **first voltage input number** (in the above example, the number is 797) into this screen by pressing the mode button to scroll up (omitting the decimal). **Note:** When in humidity calibration mode, the mode button only scrolls up, not down, so it is important that you do not miss the number you are entering. When finished, press the on/off button again, you will see the number 3000 (Fig. 4). Enter the **second voltage input number** (3163 in the example above), using the same procedure as before.



Figure 4



Figure 5

6. To store the changes, press the on/off button. The unit will then shut off with the new values stored internally. NOTE: Each unit has unique voltage input numbers. It is crucial that you do not lose your instrument's numbers.

Contact WeatherHawk/SpeedTech Technical Support if you have problems or questions.

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