

# Weather Tools



## Thermometer

A thermometer measures temperature. Temperature is measured in degrees. This thermometer uses the Celsius scale ( $^{\circ}\text{C}$ ). You would read the temperature as  $21^{\circ}\text{C}$  in the example above.

Some thermometers use the Fahrenheit scale ( $^{\circ}\text{F}$ ).



## Compass

A compass is used to determine the direction from which the wind is coming.

- Stand facing the wind.
- Hold the compass in front of you.
- Rotate the compass body until the N lines up with the needle.
- A line running from the center of the compass needle straight into the wind tells you the wind direction.



## Anemometer

An anemometer measures wind speed.

- Face into the wind.
- Hold the meter in front of you straight up and down, scale toward you. Don't cover the holes at the bottom.
- The height of the ball indicates the wind speed. This picture shows 7 miles per hour.

If the wind is strong, cover the top hole with your finger to read the high scale on the right.



## Hygrometer

A hygrometer measures relative humidity. Relative humidity is a measure of the amount of water vapor in the air. It is a percentage. On the hygrometer above, relative humidity is 63%.



## Barometer

A barometer measures air pressure. Air pressure on this barometer is measured in millibars (mb). The barometer above indicates a pressure of 985 mb.