

Digital Hygrometer

Field Guide

Task

Find the relative humidity using a digital hygrometer.

What You Need

- ☐ Digital hygrometer
- ☐ [Integrated 1-Day Data Sheet](#)
- ☐ Watch or timer
- ☐ A thermometer properly installed in an Instrument Shelter

In the Field

1. If your site has an instrument shelter, place the hygrometer in the instrument shelter 30 minutes before you plan to take a measurement. If you don't have an instrument shelter, place the hygrometer in the shade with air flow.
2. After 30 minutes, record the time and date on your Atmosphere data sheet in either local or UT time. Note: GLOBE website and app data entry will accept either local time or UT time. Observations are useful at any time of day.
3. Read the relative humidity to the nearest 1% and note the instrument used.
4. Read the current temperature (if your reading is not being taken at the same time as the daily reading of maximum, minimum, and current temperature).
5. Return the hygrometer to an indoor location and store it in a dry place.