



# einstein™ Weather Station

The “Weather Station” is a weather monitoring tool that shows a dashboard of climate-related sensors. Its purpose is to enable teachers and students to visualize the weather status with chosen parameters, such as temperature, humidity, barometric pressure, UVI, dew point, heat index, and more.

## The **einstein™** Weather Station key features



Temperature



Dew Point



Heat Index



UVI



Relative Humidity



Light



barometric pressure



Wind Direction





Wind Speed



Rain Collector



### External Sensors:

-  Rain Collector
-  Wind sensor

### MiLABEx software

Available by using the **einstein™ Tablet+3** or **einstein™ LabMateII** paired with an Android, Windows or iOS tablet/desktop



**einstein™ Tablet+3** — OR — **einstein™ LabMateII**

The **einstein™** Weather Station data is measured by using the **einstein™ Tablet+3** or the **einstein™ LabMateII**'s **internal sensors**



Light



Heat Index



Temperature



UVI



Dew Point



Relative Humidity



barometric pressure

## Use the **MiLABEX** weather Station app for teaching activities

- Explore different climate metrics connections: rainfall and temperature, rainfall and pressure, temperature and wind speed, etc.
- Add in visual observations of clouds (amount and type) of visibility, thunder, lightning, snow, sleet, hail, etc.
- Introduce different science concepts: water vapor as a gas, evaporation and condensation, atmospheric pressure, etc.
- Examine school microclimate: measure and compare the weather data in different parts of the school
- Examine how does weather varies each season?

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