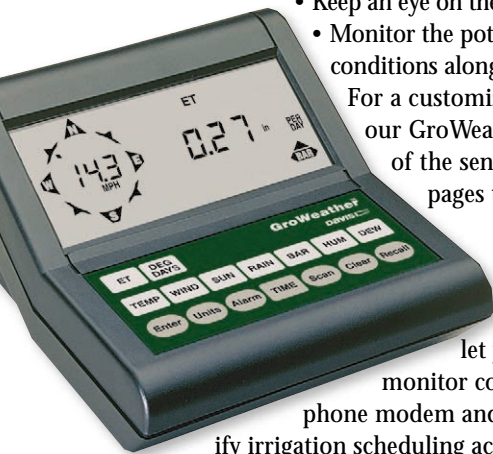


GroWeather & Perception II

Our GroWeather stations provide a wealth of special-purpose information related to agricultural needs. Using the information from GroWeather, you can:

- Conserve water resources by irrigating at optimal times.
- Optimize the timing of planting, fertilizing, pesticide application, and harvesting.
 - Keep an eye on the level of heat stress on workers and livestock.
 - Monitor the potential fire hazard due to temperature and wind conditions along with the moisture loss of nearby vegetation.



For a customized station designed to suit your needs, add our GroWeatherLink computer interface package or any of the sensor and mounting options described on the pages to follow.

GroWeather®

Includes console, AC-power adapter, and sensor interface module. Optional sensors let you build your own customized system. To monitor conditions at a field site, add a radio or cell phone modem and a GroWeatherLink/ET Data Logger. To modify irrigation scheduling according to real-time ET data, add our Alarm

Output Module.

7450 GroWeather W790,000

NIST

For these special GroWeather functions:

Evapotranspiration

Growing degree-days with user-settable thresholds

Soil temperature in addition to air temperature *

Surface moisture on foliage *

Apparent temperature (temperature-humidity index)

Add these optional sensors:

ET Data Logger, Anemometer, Solar Radiation Sensor, and Temperature/Humidity Sensor

Temperature or Temperature/Humidity Sensor

A second Temperature Sensor or Probe

Leaf Wetness Sensor

Temperature/Humidity Sensor

* Soil temperature and leaf wetness use the same port. To measure both, switch from one sensor to the other as needed. Measure soil temperature to determine the proper time for planting, then switch to the Leaf Wetness Sensor for the rest of the year.



EZ-Mount GroWeather®

Includes everything found on our basic GroWeather, plus ET data logger and all optional sensors. Sensors are pre-assembled on a galvanized steel mounting pole. Radiation shield protects temperature/humidity sensor from solar radiation and other sources of radiated and reflected heat. Weather-resistant shelter protects the sensor interface module from the elements. Locate the console inside the shelter, or run the included 100' (30 m) cable to locate the console indoors. See page 16 for optional Solar Power Kit.

7450EZ EZ-Mount GroWeather W2,800,000

Includes 0.01" Rain Collector. Add the suffix M for 0.2 mm Rain Collector.

NIST



Alarm Output Module

To send signals to automatically start or stop external devices such as irrigation systems, heaters, or fans, add our Alarm Output Module. The Alarm Output Module can directly control devices such as irrigation controllers and thermostats. To switch power to heaters, motors, or other high-power equipment, you will need to add electrical relays (not available from Davis Instruments). For complete details, ask for a copy of our supplement on the Alarm Output Module.

7736 Alarm Output Module W390,000

By adding the Alarm Output Module to GroWeather you can:

- Select up to four alarm conditions for output.
- Select high and low alarms for the same weather parameter.
- Select alarms from two different weather parameters.

By adding GroWeatherLink you can also:

- Turn remote devices on or off from your keyboard.
- Write your own software program to turn devices on or off.
- Switch power to a radio on and off to conserve energy.



Perception II®

An indoor weather station requiring no installation—just plug it in using the included AC-power adapter. Use to monitor your wine cellar, greenhouse, or other climate-dependent area. Measures temperature, humidity, and barometric pressure. So accurate, it's even used by automobile racers to tune their carburetors for current air density conditions. Backlit display for easy viewing.

7400 Perception II W300,000

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