

An inexpensive yet comprehensive personal weather station to monitor basic outside weather conditions (temperature, wind speed and direction and rainfall (optional)) as well as inside temperature.

Features & Construction

Compact LCD and keypad give easy access to functions for inside temperature, outside temperature, wind speed and direction, wind chill, time, rainfall and alarms. Wind is displayed digitally and on a 16-point compass rose; all other functions digitally. Comes with external temperature sensor and a 25' cable, anemometer/wind vane with a 40' cable, junction box to connect sensors to the Wizard, 8' junction box cable and an AC adaptor. The rain collector is an option. The Wizard records highs and lows for inside and outside temperature, the low for wind chill, and the high for wind speed. The alarms are for the same parameters, and there is also a regular time alarm and a scan function. Displays in English or metric units.

Use & Operation

The anemometer is mounted in an appropriate place away from obstructions, usually on a pole or roof, and the temperature sensor is mounted under an eave or in a weather shelter out of direct sunlight. The optional rain collector can be mounted on a roof or out in the open, away from any structural interference. The sensor cables can be extended with the optional 40'L extensions, which have weatherproof connections, and are plugged into the junction box, which is located indoors or in an area protected from the elements. The junction box cable is then run from the junction box to the Wizard, which is powered by an AC adaptor. The wind vane is adjusted by using a compass to orient it in the proper direction, and the time & date, units of measure, and alarms are set using the keypad. The Wizard is now functional and ready to monitor, and with the optional Weatherlink data module and software can also store weather data and display it on a PC or Macintosh computer.

Additional Information

The Wizard is powered by a 120V AC to 12V DC adaptor but may be powered remotely from a vehicle by the lighter

adaptor cord or any other 9–12V power source which does not exceed 200 milliamps (minimum 20mA); some motorcycle batteries may work. It has a 9V backup battery which will power it for three days; 1.5 days if used with the Weatherlink. The sensor cables can be extended up to 160' before signal degradation becomes a problem. The connections are weatherproof but should not be buried in the soil. It is often easier to extend the junction box cable instead of two or three sensor cables. The Weather Monitor II must be used if barometric pressure or humidity are desired to be monitored.

Common Questions

- Q.** Will the Wizard store rainfall amounts by time intervals?
- A.** No, only the Weatherlink will do that. The Wizard stores the daily rainfall and the accumulated amount since the last reset.
- Q.** How long can the sensor cables be extended?
- A.** Up to 160' total, including the junction box cable. If a 50'L junction box cable is used, then only two 40'L extensions may be added to the 40'L anemometer cable (total 170' of cable: okay since only a bit over 160').
- Q.** Can the Wizard be deployed outside?
- A.** No, since the display is not weatherproof, unless the unit is kept in a weatherproof enclosure and is sheltered from the direct sun. Of course if the Wizard is used remotely then the customer must fashion an appropriate power source as stated in Additional Info.
- Q.** How often do the highs and lows reset?
- A.** Highs and lows which are recorded by the Wizard along with the date and time of day are reset manually by the user. If the daily high temperatures are desired then the high reading must be reset daily.
- Q.** Can the Wizard monitor humidity?
- A.** No, only the Monitor and Vantage Pro can monitor humidity.

Specifications

Inside Temp.:	Range: 32°–140°F (0°–60°C) Accuracy: ±1°F (0.5°C)
Outside Temp.:	Range: –50° to 140°F (–45° to 60°C) Accuracy: ±1°F (0.5°C)
Time:	12 or 24 hr., ±15 sec./mo.
Wind Direction:	1° or 10° increments, ±7° accuracy
Compass Rose:	16 compass points
Wind Speed:	Max 175 mph, 282 kph, 152 knots, 78.2 m/s, ±5% accuracy
Wind Chill:	–134° to 140°F; –92° to 60°C, ±4°F (2°C)
Rainfall:	Daily: 0.01–99.99", 0.0–999.8mm Accumulated: 0.01–99.99", 0–9999mm
Warranty:	One year

Ordering Information

110041 Weather Wizard III
31129 Rain Collector II English Version
(0.01" increments)
110065 Rain Collector II Metric Version
(0.2mm increments)
110060 40' Sensor Extension Cables
110054 Lighter Adaptor with 4.5' cord
110062 25' Junction Box Cable
110063 50' Junction Box Cable
110064 100' Junction Box Cable
37467 Weatherlink Software for IBM
110049 Weatherlink Software for Macintosh

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