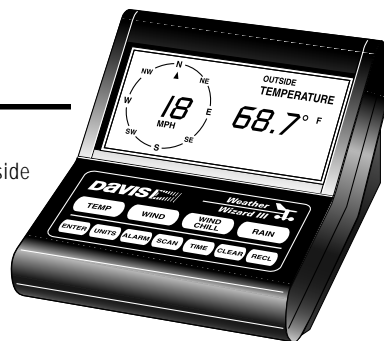


# WEATHER WIZARD III® STATION

7425  
STATIONS

The Weather Wizard III station features the following: anemometer, inside and outside temperature sensors, junction box, and console. The console provides A/D conversion, calculations, and data display. A DC-power adapter and an 8' (2.4m) cable (for connecting the junction box and console) are included. Options include the Rain Collector, and the WeatherLink which provides data logging and a serial interface to a computer.



## SPECIFICATIONS

### General

<b>Operating Temperature</b> .....	-5° to 140° F (-20° to 60° C)
Display Temperature .....	32° to 140° F (0° to 60° C)
<b>Supply Power</b> (adapter included) .....	16 mA (typical) at 10 to 16 V (100 mA when display is illuminated)
<b>Connectors</b> .....	Modular (RJ-11, RJ-12, and RJ-45)
<b>Recommended Maximum Cable Length</b> .....	240' (72 m), sensor array to console
<b>Housing Material</b> .....	Black ABS plastic
<b>Display Type</b> .....	LCD
<b>Dimensions</b>	
Console .....	5.25" x 5.4" x 3.0" (133 mm x 137 mm x 76 mm)
Display .....	4.4" x 1.9" (112 mm x 48 mm)
<b>Weight, total</b> .....	3 lbs. 6 oz. (1.53 kg)

### Sensor Inputs

**RF Filtering** .....

RC low-pass filter on each signal line

### Sensor Outputs (as displayed on console)

#### General

Update Interval .....

16 seconds

Times and Dates of Maximum and Minimum Values ...

Stored with value

#### Outside Temperature (Air)

Resolution and Units .....

0.1°F or 0.1°C (user-selectable)

Range .....

-50° to 140° F (-45° to 60° C)

Accuracy .....

±1°F (±0.5°C)

Functions .....

Current Temperature (high and low alarms), Maximum and Minimum Temperatures

#### Inside Temperature (Air) (sensor located inside console)

Resolution and Units .....

0.1°F or 0.1°C (user-selectable)

Range .....

32° to 140° F (0° to 60° C)

Accuracy .....

±1°F (±0.5°C)

Functions .....

Current Temperature (high and low alarms), Maximum and Minimum Temperatures

#### Wind Speed

Resolution and Units .....

1 mph, 1 km/hr, 0.1 m/s, or 1 knot (user-selectable)

Range .....

2 to 175 mph, 4 to 280 km/hr, 0.9 to 78 m/s, 2 to 152 knots

Update Interval .....

2.25 seconds

Accuracy .....

±5%

Functions .....

Current Speed (alarm), Maximum Speed

#### Wind Direction

Display Resolution .....

16 points (22.5°) on compass rose, 1° in digital display

Accuracy .....

±7°

#### Wind Chill

Resolution and Units .....

1°F or 1°C (user-selectable)

Range .....

-134° to 98° F (-92° to 37° C)

Accuracy .....

±4°F (±2°C)

Functions .....

Current Wind Chill (alarm), Minimum Wind Chill

**Rainfall** (requires Rain Collector)

Resolution and Units . . . . .	0.01" or 0.2 mm (user-selectable)
Daily Rainfall Range . . . . .	0 to 40.95" (0 to 819 mm)
Total Rainfall Range . . . . .	0 to 99.99" (0 to 9999 mm)
Rainfall Accuracy . . . . .	±(4% + 1 count) for rates from 0.01" to 2" (.2 mm to 50 mm) per hour ±(5% + 1 count) for rates from 2" to 4" (50 mm to 100 mm) per hour
Functions (Period is selected by user) . . . . .	Total Rainfall for period, Daily Rainfall Amount (alarm)

**Time**

Accuracy . . . . .	±15 seconds/month
Functions . . . . .	Current Time, Current Date

**STATION CONNECTION DIAGRAM**

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Weather Wizard III Connection Diagram

