

Weather Station



Features:

- Measures 12 weather conditions
- Measurements are transmitted up to 300 ft (100m) to indoor receiver/display
- Three outdoor sensors: thermometer-transmitter sensor, wind sensor and rain gauge sensor
- Exterior sensors are easily mounted on fences or roofs
- Data is transmitted from outdoor sensors to indoor receiver every 30-40 seconds
- Optional lithium batteries for transmitter extends its operating temperatures down to -40°C (°F)
- Receiver is powered by an AC/DC adapter
- Display is switchable from imperial to metric measurements
- Memory retains maximum and minimum values
- With two retractable legs and tilt stand at the back of the display unit, it can be placed on any flat surface or mounted on a wall

Functions:

- Date and time with alarm
- Indoor and outdoor temperatures in °F/°C (max/min)
- Temperature alarm
- Wind direction, numerical readout with cardinal points
- Wind speed in kph/mpg (max/min)
- Wind chill in °F/°C (max/min)
- Relative humidity
- Accumulated rainfall in ins/cm (max/min)
- Barometric pressure in mbar/ins (max/min)
- Barometric trend over the last 24 hours
- Forecasts the next 12 hours based on trends over the last 72 hours



Wind Sensor

Temperature Sensor & Transmitter

Rainfall Gauge

Specifications:

TEMPERATURE

Indoor Range: 0 to 40°C (32 to 104°F)
 Outdoor Range: -40 to 60°C (-40 to 140°F)
 Accuracy: ±2°C (±4°F)

HUMIDITY

Range: 20 to 95% RH
 Accuracy: ±7% RH

WIND SPEED

Range: 0 to 100 kph (0 to 60 mph)
 Accuracy: ±3 kph (±1.8 mph)

BAROMETRIC PRESSURE

Range: 840 to 1200 mbar (24.8 to 35.4")
 Accuracy: ±4 mbar (±0.2")

RAINFALL

Range: 0 to 99.9 cm (0 to 39.3")
 Accuracy: ±0.5 cm (±0.2")

GENERAL

Power Supply: Receiver: 3 x "AA" batteries;
 Transmitter: 2 x "AA" batteries
 Dimensions: 40.6 x 35.6 x 12.7 cm (16 x 14 x 5")
 Weight: 2.1 kg (4.3 lb)

Model	Description	Price
DG950	Wireless Home Weather Station	\$99
DG960	AC/DC Power Adaptor	\$14

Weather Station

NEW!

Features:

- Indoor and outdoor temperatures with min/max memory
- Indoor and outdoor relative humidity with min/max memory on up to 3 channels
- Wind speed and direction, as well as wind gust
- Heat index and Wind chill
- Barometric pressure and with historical bar chart
- Weather forecast with 6 weather conditions: sunny, sunny/cloudy, cloudy, rainy, stormy and snowy
- Rainfall
- Calendar and alarm clock with snooze/light button
- "Sure-Link" technology up to 100m (300 ft.)
- Comes complete with monitor, transmitter, wind sensor, and rain gauge sensor

Specifications:

Indoor Temp. Range: 0 to 50°C, °C/°F switchable
 Outdoor Temp. Range: -50 to 70°C, °C/°F switchable
 Humidity Range: 20 to 90% RH
 Wind Speed Range: 0 to 180 kph
 Barometric Pressure Range: 700 to 1100 mbar
 Rainfall Range: 0 to 199.98"
 Altitude Range: 0 to 1000m



Model	Description	Price
301BC	Home Weather Station	\$99

Weather Station

NEW!



Features:

- Touch screen home weather station with PC software is a complete unit to measure and monitor local weather conditions
- Wireless technology up to 100m (300 ft.)
- Indoor and outdoor temperatures
- Indoor and outdoor relative humidity
- Barometric pressure and trend
- Wind speed and direction
- Weather forecast
- Rainfall
- Time and date
- All highs and lows recorded
- Programmable alarms for temperature, wind speed, air pressure, rainfall and time
- Reads in metric or U.S. units of measure
- Reversible mounting base for use on desk, shelf, or wall
- Comes complete with touch screen monitor, transmitter, wind direction sensor, wind speed sensor, rain gauge sensor, USB cable and PC software

Specifications:

TEMPERATURE
 Indoor Range: 0 to 50°C (32 to 122°F)
 Outdoor Range: -40 to 65°C (-40 to 149°F)
 Resolution: 0.1°C (0.2°F)

HUMIDITY
 Range: 10 to 99% RH
 Resolution: 1% RH

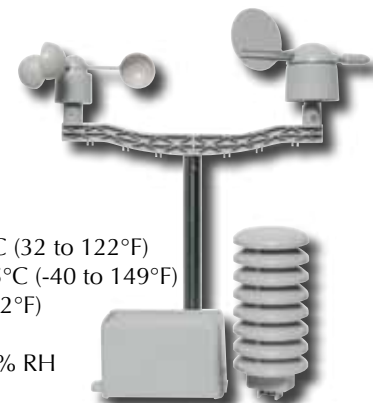
BAROMETRIC PRESSURE
 Range: 700 to 1100 hPa (27.13 to 31.89inHg)
 Resolution: 0.1 hPa (0.01inHg)

RAINFALL
 Range: 0 to 9999mm (0 to 39.3")
 Resolution: 0.1mm <1000mm; 1mm > 1000mm

WIND SPEED
 Range: 0 to 160 kph (0 to 100 mph)

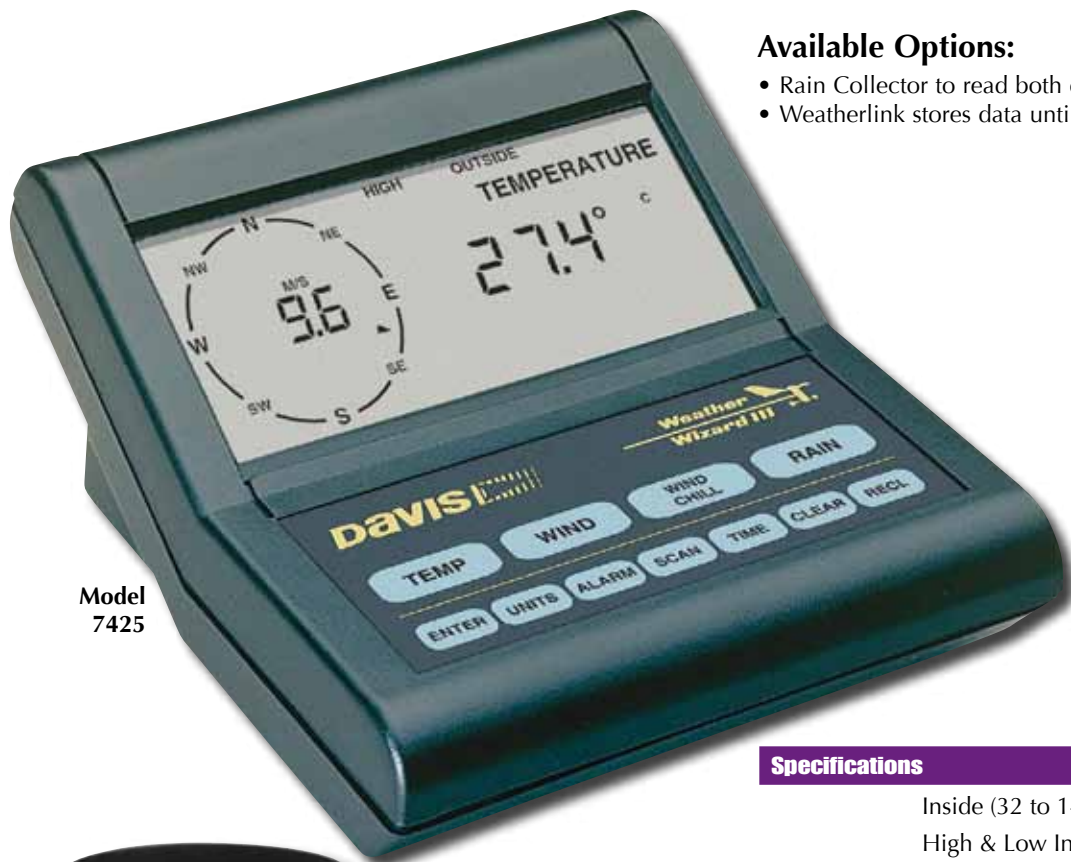
GENERAL
 Transmission Distance: 100m (300 ft.) in open field
 Frequency: 915 MHz
 Waterproof Rating: IPX3
 Alarm Duration: 120 sec.
 Power Supply: Monitor: 3 x 1.5V "AA" batteries;
 Sensor: 2 x 1.5V "AA" batteries

Battery Life:
 in. 12 mos. for monitor;
 min. 24 mos. for sensor



Model	Description	Price
265NC	Home Weather Station	\$149

Weather Station



Model
7425

Available Options:

- Rain Collector to read both daily and accumulated rainfall
- Weatherlink stores data until it is transferred into your PC



Model
7852

Features:

- Inside and outside temperatures
- Wind speed and direction
- Wind chill
- All highs and lows recorded with time and date
- Alarms for temperature, wind speed, wind chill, and time
- Reads in metric or U.S. units of measure
- AC operation with battery backup
- Backlit LCD display
- Measures just 5-1/4" x 5-7/8" x 3"
- Reversible mounting base for use on desk, shelf, or wall
- Comes complete with anemometer with 40 feet of cable, external temperature sensor with 25 feet of cable, junction box with 8 feet of cable, AC power adapter and instruction manual

Specifications

Temperature	Inside (32 to 140°F; 0 to 60°C)	•
	High & Low Inside	•
	High & Low Inside Alarm	•
	Outside (-50 to 140°F; -45 to 60°C)	•
	High & Low Outside	•
Time & Date	High & Low Outside Alarm	•
	12 or 24 Hour Clock	•
	Time Alarm	•
Wind	Date	•
	Direction (1° or 19° increments)	•
	Compass Rose (16 compass points)	•
	Speed (to 175 mph, 280 kph, 150 knots, 78.0m/s)	•
	High Wind Speed	•
Wind Chill	High Wind Speed Alarm	•
	Wind Chill (-134 to 98°F; -92 to 37°C)	•
	Low Wind Chill	•
Rainfall	Low Wind Chill Alarm	•
	Daily (0.01-99.9", 0.0-999.8mm)	option
	Accumulated (0.01-99.99", 0.0-9999mm)	option

Model	Description	Price
7425	Weather Wizard III System	\$298
7852	Rain Collector	\$100
7862	WeatherLink Data Acquisition Software	\$218
7876-040	4-conductor Extension Cable, 40'	\$24
7878-040	6-conductor Extension Cable, 40'	\$30
7880-050	50' Junction Box Cable	\$34
7880-025	25' Junction Box Cable	\$20
7880-100	100' Junction Box Cable	\$60

Weather Stations



Features:

- Available in both wireless and cabled versions
- Comprised of two components:
 - (1) Integrated Sensor Suite (ISS): Combines a rain collector, temperature and humidity sensors, and anemometers all into one package;
 - (1) Console: Provides user interface, data display, A/D conversion in the ISS, and calculations
- **6162 & 6162C** include UV and solar radiation sensors which provide data on solar radiation, evapotranspiration, sun wind index, UV radiation dose and index
- Cabled versions include 100' (30m) of cable for transmitting data from ISS to console (may be extended to 1000' (300m) with optional extension cables)
- Wireless ISS is solar powered with battery back up; transmits up to 1000' (300m) outdoors, line of sight
- Console may be powered by batteries or by AC power adapter
- Radiation shield protects temperature and humidity sensors from solar radiation and reflected heat from rooftops or pavement
- Optional daytime fan-aspirated shield may be added to further reduce the effects of daytime radiation
- Trend indication for changes in barometric pressure
- 12 or 24 hour alarm clock
- Indicates time of sunrise and sunset as well as moon phase
- Displays accumulated rainfall as well as rain rate
- Indicates wind speed and direction, as well as wind chill (calculated)
- Forecasts sky condition, precipitation, temperature changes, wind direction and speed
- Alarm conditions for all parameters
- Historical data includes last 24 values listed
- Build your own customized weather station by adding one or more special-purpose stations (each wireless console can receive data from up to 8 different transmitting stations)
- WeatherLink data logger fits neatly into the weather station console, storing data even when not connected to your PC; download data and use the software for detailed analysis and graphing later

Specifications:

- Barometric Pressure Range: 26.00 to 32.00"Hg, 660.0 to 880.0mmHg, 880.0 to 1080.0hPa/mb
- Resolution: 0.01"Hg, 0.1mmHg, 0.1hPa/mb
- Accuracy: ± 0.03 "Hg, ± 0.8 mmHg, ± 1.0 hPa/mb
- Humidity Range: Int.: 10 to 90% RH; Ext.: 1 to 100% RH
- Resolution: 1% RH
- Accuracy: Int.: $\pm 5\%$; Ext.: $\pm 3\% < 90\%$, $\pm 4\% \geq 90\%$
- Rainfall Range: 0 to 99.99", 0 to 9999mm
- Resolution: 0.01", 0.25mm
- Accuracy: $\pm 5\%$ or ± 0.04 "/hr (1mm/hr)
- Solar Radiation Range: 0 to 1800 W/m²
- Resolution: 1 W/m²
- Accuracy: $\pm 5\%$ f.s.
- Temperature Range: Int.: 32 to 140°F (0 to 60°C); Ext.: -40 to 150°F (-40 to 65°C)
- Resolution: 0.1°F/C or 1°F/C, selectable
- Accuracy: ± 1 °F (± 0.5 °C) ≤ 110 °F (43°C); ± 2 °F (± 1 °C) > 110 °F
- UV Radiation Dose: 0 to 199 MEDs
- Resolution: $0.1 \leq 19.9$ MEDs, $1 > 19.9$ MEDs
- Accuracy: $\pm 5\%$ daily total
- Wind Speed Range: 3 to 175 mph, 2 to 130 knots, 1 to 67 m/s, 3 to 241 kph
- Resolution: 1 mph, 1 knot, 0.1 m/s or 1 kph
- Accuracy: ± 3 mph or $\pm 5\%$, whichever is greater
- Wind Direction: 16 points (22.5°) on compass rose
- Resolution: 1°
- Accuracy: ± 4 °

Model	Description	Price
6152C	Cabled Weather Station	\$654
6162C	Cabled Weather Station w/ Solar, UV Sensors	\$1183
6152	Wireless Weather Station	\$786
6162	Wireless Weather Station w/ Solar, UV Sensors	\$1315
6510USB	WeatherLink Data Logger, Windows USB	\$218