

# WEATHER STATION



Wind Sensor

Temperature Sensor & Transmitter

Rainfall Gauge

## 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 (included)
- 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/mph (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

## 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	\$119.00

# WEATHER MEASURING SYSTEM

## Features of all Weather Systems:

- 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

## Features of Perception II:

- Inside temperature and humidity
- Barometric pressure with memory recall
- All highs and lows recorded with time and date
- Alarms for temperature, humidity and time
- Options include computer storage, analysis, and graphing using Weatherlink
- Comes complete with external temperature sensor with 25 feet of cable, junction box with 8 feet of cable and AC power adapter

## Features of Weather Wizard III:

- 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
- 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		7400	7425	7440
<b>Barometer</b>	Pressure (26.00 - 32.00"; 660.0 - 810.0mm; 880.0 - 1080.0mb) (any altitude below 12,000' or 3650m) Trend Arrow Trend Alarm Stores Pressure	•		•
<b>Dew Point</b>	Dew Point (-99 to 140°F; -73 to 60°C) High & Low D.P. Alarm			option option •
<b>Humidity</b>	Inside (10 to 90%) High & Low Inside High & Low Inside Alarm Outside (10 to 100%) High & Low Outside High & Low Outside Alarm	• • •		• • • option option option
<b>Rainfall</b>	Daily (0.01 - 99.99"; 0.0 - 999.8mm) Accumulated (0.01 - 99.99"; 0.0 - 999.8mm)		option option	option option
<b>Temperature</b>	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 High & Low Outside Alarm	• • •	• • •	• • • • •
<b>Time &amp; Date</b>	12 or 24 Hour Clock Time Alarm Date	• • •	• • •	• • •
<b>Wind</b>	Direction (1° or 19° increments) Compass Rose (16 compass points) Speed (to 175 mph, 280 kph, 150 knots, 78.0m/s) High Wind Speed High Wind Speed Alarm		• • •	• • •
<b>Wind Chill</b>	Wind Chill (-134 to 98°F; -92 to 37°C) Low Wind Chill Low Wind Chill Alarm		• • •	• • •

## Features of Weather Monitor II:

- Inside and outside temperatures
- High and low temperature alarms
- Wind speed and direction with compass rose
- Wind chill
- Barometric pressure
- Inside humidity
- All highs and lows recorded with time and date
- Alarms for temperature, wind speed, wind chill, humidity and time
- 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.

## Options Available:

- Add our Rain Collector to read both daily and accumulated rainfall.
- External Temperature/Humidity Sensor allows you to measure outside humidity and dew point in addition to temperature.
- Weatherlink stores data until it is transferred into your PC.

Model	Description	Price
7425	Weather Wizard III System	\$354.00
7440	Weather Monitor II System	\$535.00
7400	Perception II Weather System	\$272.00
7852	Rain Collector	\$136.00
7862	WeatherLink Data Acquisition Software	\$300.00
7873	Car/Boat/RV Lighter Adapter	\$17.00
7859	External Temp./R.H. Sensor (for 7440)	\$227.00
7876-040	4-conductor Extension Cable, 40'	\$33.00
7878-040	6-conductor Extension Cable, 40'	\$40.00
7880-050	50' Junction Box Cable	\$46.00
7880-025	25' Junction Box Cable	\$28.00
7880-100	100' Junction Box Cable	\$82.00

# WIND SPEED INDICATOR



## Specifications:

Ranges:	0 to 120 kph, 0 to 12 Beaufort, 0 to 35 mps, 0 to 66 knots
Accuracy:	±3% @ 20°C/60°F
Display:	Analog
Power supply:	None required
Dimensions:	8.25 x 1 x 3.75"
Weight:	9 oz.

Model	Description	Price
WSI66	Wind Speed Indicator	\$312.00

# WIND SPEED INDICATOR



## Features:

- Measures wind velocities in mph, knots, km and mps
- Shows peak wind velocity over any time period
- Shows average wind over 2-minute time period
- Shows average wind over 5-minute time period
- Accuracy ±5% of full scale
- Provides readings as low as 1 mph and up to 126 mph
- Digital display
- Battery-powered, completely self-contained
- Non-directional
- Handheld, measures only 2" x 2" x 6"

Model	Description	Price
DIC-3	Electronic Wind Speed Indicator	\$478.00

# WIND SPEED INDICATOR



**SIROCCO** is a compact anemometer handsomely mounted on a mahogany-stained solid maple block. Black dial with 0 to 100 mph white scale. Self-powered. Supplied with sensor, mounting hardware and 60 feet of cable.

Model	Description	Price
SIROCCO	Wind Speed Indicator	\$237.00

# AIR VELOCITY METERS



These wind meters feature an exclusive pocket-knife design that protects the unit when not in use, covering the display and impeller. During operation, the foldout cover allows a secure grip on the instrument in any weather, and also places the sensors away from the body, making readings more accurate. The case is safety yellow, water-resistant and floats.

## Features:

- Wind speed in knots, Beaufort, mph, kmh, ft/m, m/s
- Maximum wind speed
- 5-, 10- or 13-second averages
- Temperature in °F or °C
- Windchill
- One-button scroll
- Auto-off after 20 minutes
- Replaceable impeller
- Threaded for tripod
- Includes lanyard

## ADDITIONAL FEATURES MODEL SM-19:

- Humidity
- Dew Point
- Heat Index

## Specifications:

Function	Range	Accuracy
Wind Speed:	0.4 to 89 mph	±3%
Temperature:	5 to 122°F	±2°F
Humidity:	0 to 99% RH	±3% RH
Power Supply:	1 x CR2032 lithium battery (included)	
Dimensions:	5.5 x 1.75 x 0.75"	
Weight:	3.2 oz	

Model	Description	Price
SM-18	Wind Meter	\$116.00
SM-19	Wind Meter/Hygrometer	\$195.00

# AIR VELOCITY METER



The Turbo Meter provides accuracy, sensitivity and pocket-size convenience. To ensure maximum sensitivity and accuracy, the turbine is suspended on sapphire jewel bearings, and its rotation is sensed by an infrared light beam which adds no friction. A special three digit display is used for extra resolution and provides excellent viewing contrast in bright sunlight. A handy switch selects between four different scales for unmatched versatility.

## Features:

- 0 to 99.9 miles per hour
- 0 to 87.9 knots
- 0 to 8790 feet per minute
- 0 to 44.8 meters per second
- Exceptional accuracy
- Response to lightest winds
- Easy to read LED display
- Weather and shock resistant
- Pocket-size convenience

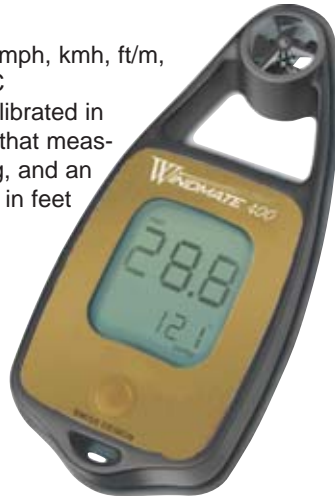
Model	Description	Price
TURBO	Air Velocity Meter	\$225.00

Scale	Range	Resolution	Avg. Period	Threshold	Accuracy (% of reading)
Knots	0 - 87.9	0.1 knot	1-1/2 seconds	0.9 knot	+4%, -2% or ±1 knot
Feet Per Minute	0 - 8790	10 fpm	1-1/2 seconds	90 fpm	±3% or ±10 fpm
Meters per Second	0 - 44.8	0.1 m/s	3/4 second	0.5m/s	±3% or ±1 m/s
Miles per Hour	0 - 99.9	0.1 mph	1-5/8 seconds	1 mph	±3% or ±1 mph

# WIND METER/ALTIMETER/BAROMETER

## Features:

- Measures wind speed in knots, mph, kmh, ft/m, m/s and temperature in °F or °C
- Also offers a digital compass calibrated in degrees off North, a barometer that measures air pressure in hPa or inHg, and an altimeter that measures altitude in feet or meters
- Maximum wind speed
- Windchill
- 24-hour history of barometric air pressure
- Backlit display
- Stainless steel back
- Water resistant
- Includes lanyard



## Specifications:

Function	Range	Accuracy
Temperature:	-40 to 176°F	±0.5°F
Wind Speed:	up to 155 mph	±3%
Air Pressure:	up to 31.00 inHg	±0.01 inHg
Altitude:	up to 26,247 ft.	±10 ft.
Compass:	0 to 359° off N	±5°
Power Supply:	1 x CR2032 lithium batteries (included)	
Dimensions:	3.5 x 1.5 x 0.75"	
Weight:	2.0 oz	

Model	Description	Price
WM-4	Wind Meter/Altimeter/Barometer	\$225.00

# ALTIMETER/BAROMETER

## Features:

- Digital compass, altimeter and weather station in a single, compact unit
- Built-in algorithm determines the level of wildlife activity and predicts future wildlife activity
- Activity and worldwide sun/moon data through 2009
- Barometric pressure in hPa or inHg
- 16-hour barometric pressure history
- Altitude in feet or meters
- Weather forecast
- Severe weather alarm
- Temperature in °F or °C
- Moon phase
- Includes carrying case



## Specifications:

Function	Range	Accuracy
Temperature:	-4 to 158°F	±2°F
Air Pressure:	up to 32.5 inHg	±0.01 inHg
Altitude:	up to 29,700 ft.	±6 ft.
Compass:	0 to 359°	±5°
Sunrise/Sunset:		±4 min.
Power Supply:	2 x CR2032 lithium batteries (included)	
Dimensions:	4.5 x 2.75 x 1.0"	
Weight:	3.6 oz	

Model	Description	Price
EE-1	Altimeter/Barometer	\$195.00

# BAROMETER

To produce regulation Maple Syrup, one must boil the sap until the boiling point is 7.3°F above the boiling point of distilled (pure) water. The boiling point of water is occasionally 212°F, but this boiling point varies with the barometric pressure right at the evaporator.

**Model 1353** is a quality barometer with 4" dial scaled from 27.5 to 31.5 inches of mercury and also from 208.5° to 214°F pure water boiling point. These barometers are set to read barometric pressure and the boiling point of water wherever they are installed. High elevation locations have lower boiling points than valley locations nearby.

At other times in the year, the barometer will be helpful in forecasting weather conditions during farm planting and harvest. The manual set button at the centre of the glass, is used to set one pointer over the black pointer, that is moved by the instrument mechanism. You will find that the two pointers are almost always in new relative positions, if the black pointer has moved counter-clockwise, expect a change in the weather; the more the black pointer has moved, the bigger the change. If it has moved clockwise, look for the weather to continue as it is.



Model	Description	Price
1353	Maple Processor Barometer	\$89.00