



88974

88993

RainWise Inc.

Electronic Recording Rain Gauges

5482

The 8" diameter collector meets NWS specifications for statistical accuracy. Each time the bucket tips, a count is transmitted to the indoor display, and the gauge empties. Wired and wireless models available. The single counter model displays up to 9.99" of rain and can be reset to zero after each rainfall. The dual counter models feature both a current counter which records rainfall in hundredths of an inch with a capacity of 9.99", as well as an accumulation counter which records rainfall in tenths of an inch up to 99.9" of rain and allows you to select the number of individual rain events recorded. A long-life lithium battery with an approximate life of one year is included. **Signal range (wireless model):** up to 300' unobstructed.

RainWise® Electronic Rain Gauge with 60' of cable		2.75 lbs.	88993 5+
Dual Display Electronic Rain Gauge with 60' of cable		3.25 lbs.	88972
Wireless Dual Display Electronic Rain Gauge		3 lbs.	88974



onset computer corporation

Data Logging Rain Gauge

6482

8,000-tip memory capacity!

This self-emptying rain gauge has an 8,000-tip memory capacity and automatically records up to 80" of rainfall data using the HOBO® Event Rainfall Logger (included)!

Housing: Extruded aluminum with baked-on enamel finish. The shafts, screws and nuts are stainless steel and the shaft collars are brass. **Funnel:** Aluminum, held in place by tension clips. **Memory modes:** Stop when full or wrap-around when full. Mount on vertical or horizontal surface. Use the optional HOB0® Shuttle (sold separately) for readout and relaunch in the field. **Operating temperature:** 32°F to 125°F (0°C to 50°C). **Storage temperature:** -4°F to 158°F (-20°C to 70°C). **Accuracy:** 1% (up to 1" per hour). **Time accuracy:** ±1 minute per week at 68°F (20°C). **Rainfall resolution:** 0.01". **Relative humidity range (when logger case is open):** 0 to 95%, non-condensing. **Dimensions:** 9"H x 6.5" diameter.

Onset Data Logging Rain Gauge		4.25 lbs.	89440
BoxCar Software Starter Kit for DOS, Windows 3.1x or Windows 95, a PC Interface Cable, and Manual		4 oz.	89429
BoxCar Pro Software Starter Kit (includes a PC Interface Cable and Manual)		12 oz.	89439

Note: BoxCar® 3.7 Starter Kit or BoxCar® Pro 4.3 Starter Kit (each sold separately) is required to operate HOB0® Event loggers.



HOBO® Event Rainfall Logger

5481

Accurately records time/date stamped rainfall data!

Connect the unit to the inside or outside of a standard tipping bucket rain collector to record detailed rainfall history including quantity, time, date, duration, and intensity. The HOB0® Event is user programmable to match the bucket's tip size and features a minimum recording interval of 0.5 seconds. With a 0.01 inch bucket, the 8,000 event capacity will store up to 80 inches of rainfall data. The data is stored in the unit's non-volatile EEPROM memory, which retains collected data even if the battery fails. The unit can be launched and data read easily in tabular form or exported to spreadsheets such as Excel and Lotus 1-2-3 using Starter Kits for DOS, Windows 3.1x or Windows 95 (Starter Kits sold separately below).

Event type: tipping. **Operating temperature:** -20°C to +70°C/-4°F to +158°F. **Time accuracy:** ±100 ppm at 20°C. **Relative humidity range:** (when case is open) 0 to 95%, non-condensing. **Power:** user-replaceable, 3V lithium battery with an expected life of one year of continuous use. **Dimensions:** 4.25" x 3.5" x 1.75".

HOB0 Event Rainfall Logger		4 oz.	89424 5+
HOB0 Shuttle		4 oz.	89425 5+
BoxCar Software Starter Kit for DOS, Windows 3.1x or Windows 95, a PC Interface Cable, and Manual		4 oz.	89429
BoxCar Pro Software Starter Kit (includes a PC Interface Cable and Manual)		12 oz.	89439
Replacement 3V Lithium Battery		1 oz.	02190

English

Combination English and Metric



All-Weather Rain Gauge

5477

English or Metric

Made to U.S. Weather Bureau specifications. Collects rain in top, funnels it to removable inner tube graduated in easy to read English or metric characters. Overflow chamber catches excess for later measurement. Mounting bracket and one-year rainfall record included.

11" x 0.01" Capacity
2.25 lbs. **E** **88991**
6+

Replacement Inner Tube
3 oz. **E** **85702**

27.9 cm x 2 mm Capacity
2.25 lbs. **M** **88994 0**
6+

Replacement Inner Tube
3 oz. **M** **85703**



Taylor® See-Thru Rain Gauge

5478

Combination English/Metric

For nurserymen, gardeners, ranchers, farmers, and homeowners. Tenite butyrate plastic will not crack or become brittle with age. Capacity is 5" x .05" (127mm x 1mm).

Taylor See-Thru Rain Gauge
6 oz. **C** **89068**



Tru-Chek® Direct-Reading Rain Gauge

5479

Combination English/Metric

One side is graduated from 0.01" to 6" while the other side ranges from 0.1 mm to 150 mm. This 13" long gauge is constructed of heavy, weather-resistant plastic and features permanently marked graduations and aluminum mounting.

Tru-Chek Direct-Reading Rain Gauge
13 oz. **C** **89011**
12+



Far View Rain And Sprinkler Gauge

5480

English

For lawn, garden, nursery, or general use. **Capacity:** 5" with 0.1" graduations. Magnifier funnel makes accumulation easy to read from a distance! Mounted on a 16" sharpened steel frame. Push it into your lawn, garden, or field as a rain or sprinkler gauge. Also mounts on a post.

Far View Rain and Sprinkler Gauge
13 oz. **E** **88990**
12+

U.S. Weather Bureau Type Rain and Snow Gauge

5484

English

For professionally accurate rainfall measurements. This all-aluminum gauge has a total capacity of 20" of rainfall. The upper portion of the funnel is cylindrical in shape and is turned to a sharp edge. Rainwater falling into the funnel is delivered into the copper receiver. The ratio of the area of the orifice to the area of the receiver is 10:1, so that 1" of rainfall delivers 10" of water to the receiver and can be read to 0.01". The capacity of the receiver is 2" of rainfall. Any excess overflows into the outer chamber where it can be measured after the quantity in the receiver has been removed using the funnel. When used as a snow gauge, the receiver and funnel are detached and snowfall is measured directly. Furnished with black lamacoid measuring stick. Tripod sold separately. 8-1/4" Dia. x 27"H overall.



Gauge **E** 10.5 lbs. **89018**
Tripod 7.5 lbs. **89019**
Replacement Measuring Stick 2 oz. **89020**

E English **M** Metric
C Combination English and Metric

Forester's Rain Gauge

5483

English

Aluminum rain gauge has a total capacity of 7" and measures to 0.01". Receiver, overflow cylinder, measuring cup and stick. USFS Specification No. 5100-451A. Order mounting support separately. 7-1/4" Dia. x 10"H.

Forester's Rain Gauge
4.25 lbs. **E** **89048**

Support for mounting gauge on post
1.75 lbs. **89114**

Replacement Measuring Stick
1 oz. **89049**



Snow Gauge

3391

Withstands blizzard-force winds!

Accurately measures fallen snow depths up to 30". Permanently marked, large, white 1/2" graduations on a green background are designed for reading from a distance. Gauge self-adjusts by sliding down the legs to allow for accurate measuring. Spring steel legs are designed to withstand blizzard-force winds. Weather-resistant corrugated plastic gauge. Made in the U.S.A. **Dimensions:** 42" x 4" x 1/8".

Snow Gauge **E** 7 oz. **88984**





Evaporation Station

5485

Measures daily evaporation.

Built to be compatible with all standard National Weather Service evaporation measurements. This pan is normally installed on a wooden platform set on the ground in a grassy location. There are two commonly used procedures for making evaporation measurements. In both procedures a 10"D x 47-1/2"ID stainless steel pan is used to hold the water. The first procedure for measuring daily evaporation loss is to use a graduated hook gauge set on a still well to determine the level of the water's surface at each measurement. The second procedure is to use a still well with a fixed point, and each time a measurement is taken, refill

the pan with a calibrated graduate having a surface area 1/100th that of the pan up to the level of the point. The amount of water added is the equivalent evaporation. Since the amount of evaporation is a function of temperature, humidity, wind, and other conditions, in order to relate the evaporation to current or expected conditions, the maximum and minimum temperature of the water and the amount of air passage are normally recorded along with the evaporation. Submersible/floating type minimum/maximum thermometers are available for recording these temperatures.

Class A Evaporation pan: low carbon stainless steel, heliarc welded. 10"H x 47-1/2"ID. **Hook gauge:** brass construction, 0.002" graduations. 7"L x 5-1/4" Diameter. **Still well (Model 6826):** stainless steel with leveling screws. 9"H x 4" diameter. **Still well with fixed point (Model 6825):** stainless steel. 9"H x 4" Diameter; height of point 7-1/2". **Replacement graduate:** polycarbonate, graduated 0.01"/0.2 mm. **Submersible/floating thermometer:** U-tube maximum/minimum with magnet reset. **Range:** 20°F to 125°F (Stock #92592) or -20°C to +50°C (Stock #92591). Built-in solar radiation shield protects against direct sunlight and breakage. 11-1/4"L with floats. **Totalizing anemometer (Models 2510 and 2511):** three-beaded conical type with 4" diameter cones. Six-digit counter with 0.1 mile or 0.1 km resolution. Aluminum construction with flange mount. 16"H x 12" diameter. Shipped motor freight.

Model 6821 Class A Evaporation Pan	56 lbs.	92577
Model 6831 Hook Gauge, English calibration	15 oz.	92578
Model 6826 Still Well	14 lbs.	92579
Model 6825 Still Well with fixed point	6.75 lbs.	92580
Model 6833 Graduate, English calibration	3 lbs.	92581
Model 2510 Totalizing Anemometer, registers each 0.1 mile of wind and electrical contact, with 33' of cable	9 lbs.	92517

Model 2511 Totalizing Anemometer, registers each 0.1 km of wind and electrical contact, with 33' of cable	M	9 lbs.	92518
Submersible/Floating Max-Min Thermometer, 20°F to 125°F	E I	1 lbs.	92592
Submersible/Floating Max-Min Thermometer, -20°C to +50°C	M I	1 lbs.	92591



RainWise Inc.

MKIII™ Wireless, Solar-Powered Weather Station

4010

Complete weather information at a glance!

This weather station's multiple display conveniently shows each measured or calculated parameter. Measure wind speed, wind direction, inside and outside temperature, wind chill, dew point, barometric pressure, relative humidity, and rainfall (using rooftop sensor assembly with integrated rain gauge, sold separately). Select English or metric units for each parameter. In addition to displaying current data, maximum and minimum values are also recorded with the time of occurrence. Add additional MKIII™ displays (sold separately) to view weather data in multiple locations. The sensor assembly's solar-charged battery supply can provide continuous operation below 60° latitude and will operate for at least 60 days without sun. An optional computer interface module is also available for downloading information to a PC. Two year manufacturer's warranty on wireless sensor assembly and MKIII™ display and five year warranty on solar panel.

Wind speed: Range, 0 to 150 mph, 0 to 130 knots, 0 to 67 mps, 0 to 240 kph; **Resolution,** 1.0 unit; **Accuracy,** ±2% of full scale. **Wind direction:** Range, 0 to 360 with 16-point wind rose; **Display,** bright LED (instantaneous direction), dimmer LED's (variation in direction). **Temperature:** Range, -66°F to 166°F (-54°C to 74°C); **Accuracy,** ±1°F (±0.5°C). **Relative humidity:** Range, 0 to 100% RH; **Accuracy,** ±2% @ 25°C, temperature compensated from -40°C to 85°C. **Dew point:** Range, -40°F to 110°F (-40°C to 43°C); **Accuracy,** ±2°F (±1°C). **Barometer:** Range, 16.3 in. to 32 in. Hg (551 to 1,083 millibars hPa); **Accuracy,** ±0.05 in Hg, ±1.69 hPa, temperature compensated from -40°C to 85°C. **Rainfall:** Collector, 8" diameter with tipping bucket; **Range,** unlimited; **Resolution,** 0.01" (0.25mm); **Accuracy,** ±2% @ 1.5" per hour. **Wind chill:** Range, to -127°F (to -88°C); **Accuracy,** ±2°F (±1°C). **Transceiver:** Frequency, 418 MHz - sensor unit, 315 MHz - yard mount rain gauge; **Range,** 400' - sensor unit, 300' - yard mount rain gauge. **Dimensions:** Sensor assembly, 5" dia. x 25"H; **Display,** 8-5/8" x 16-5/8" x 12-1/2".

MKIII Display	6 lbs.	89884
Rooftop Sensor Assembly	C 9 lbs.	89888
Rooftop Sensor Assembly with Integrated Rain Gauge	12 lbs.	89889
Tripod	10 lbs.	89890
Wireless Computer Interface Module	4 lbs.	89883

- E** English
- M** Metric
- C** Combination English and Metric
- I** Extra Charge if Shipped by International Air. See Shipping Information for details.