

The new MKIII-LR goes the one-mile distance



RainWise[®] Inc. 



The **MKIII-LR** is a wireless, solar-powered weather station. It's original version, the best-selling MKIII, broke the price barrier in 2002 when it was released. It provides the best accuracy of any consumer weather station on the market and includes the capabilities and features desired by knowledgeable weather enthusiasts, with the easiest setup and installation of any instrument being sold today.

Since then, we have worked diligently to improve the performance of the MKIII. We have done just that with the MKIII-LR by dramatically expanding its transmission range to one mile (LOS)*. This distance vastly surpasses other comparable weather stations on the market, where the current long range distance is 1000 feet.

Another breakthrough feature for the new MKIII-LR is that it now transmits data every 2 seconds, without delay, so information sent to the LED display or computer interface is virtually real-time. It uses spread spectrum radio technology. While the range may vary due to environmental conditions (such as topography, building walls, snow, etc.), the MKIII-LR far surpasses (by as much as 4X) any other wireless weather station in its class and price range. It is the most accurate, reliable and easy to install weather station on the market today.

Transmission now ONE MILE!

The MKIII-LR measures, records and transmits the following data:

WIND SPEED

WIND DIRECTION

TEMPERATURE—OUTSIDE

TEMPERATURE—INSIDE

RELATIVE HUMIDITY

BAROMETRIC PRESSURE

RAINFALL

It also computes:

DEW POINT

WIND CHILL

TEMPERATURE/HEAT INDEX

The MKIII-LR system is available in a variety of configurations, depending on what the user requires.

- The MKIII-LR Sensor Assembly is included in every system as it collects and transmits the data. The solar-charged battery supply is guaranteed to provide continuous operation below 60° latitude and will operate at least 25 days without sun. The passive solar shield for the temperature/humidity sensor is modeled after the National Weather Service design. The solar panel and battery are guaranteed for five years. It's sleek design (just 5" x 6" x 27", and under 7 lbs) belies its rugged construction. The extension mounting mast, fabricated from 1 1/4" schedule #80 PVC pipe, will fit any standard tripod or TV antenna mount.

- An attached Rain Gauge can also be included in a system.
- The Weather Oracle® multi-display can be purchased to display the Time (date), Temperature (outside, inside, wind chill, dew point), Relative Humidity (temperature/heat index), Barometric Pressure (rising, falling), Rainfall (current, accumulation), Wind Speed and Wind Direction (variation). Maximums and minimums are available to the month, day, hour and nearest minute. The display offers brightness controls to suit the ambient lighting conditions and can be wall-mounted or placed free-standing (a wall transformer powers the receiver). The MKIII-LR allows for multiple peripheral use. You can have as many displays or interfaces as you wish. The only limitation is range and power availability. The multi-display is available in an attractive cherry, mahogany or black wooden frame.

- The MKIIIICC-LR wireless computer interface records and stores weather data received from the MKIII-LR sensor assembly. Purchase this with the multi-display or instead of. It can be placed anywhere, as it's not connected to the display in any way. The interface has 32K of RAM which allows you to log the weather data at rates from once-per-minute to once-per-hour. It will store data up to three months at once-per-hour record rates. Easy to install and use, it also includes an RS-232 cable to interface with your computer serial port. The Interface can connect to a dial-up modem, permitting remote access to locations such as camps and summer homes.

Whichever components you choose, the MKIII-LR system offers everything you need for a comprehensive professional or home-use weather station.

Pricing

MKIII RTI-LR	\$995.00
MKIII RTN-LR	\$895.00
Weather Oracle Multi Display-LR	\$495.00
Weather Oracle-LR	\$375.00
MKIIIICC-LR	\$395.00



* Line of sight is defined as an unobstructed view from transmitter to receiver. Obstruction between the transmitter and receiver may affect overall range.

Product Specifications

WIND SPEED (ANEMOMETER)

Range: 0 - 150 m.p.h.; 0 - 67 meters per second;
0 - 240 Kilometers per hour; 0 - 130 Knots.
Resolution: 1.0 unit.
Accuracy: $\pm 2\%$ of full scale.

WIND DIRECTION

Range: Oracle Display has 16 point wind rose, current direction by bright LED, and direction variation by dimmer LED's. Computer interface gives reading in degrees, 360° =North, 090° =East.

TEMPERATURE- Outside

Range: -66° to $+166^\circ$ F; -54° to $+74^\circ$ C.
Accuracy: $\pm 0.5^\circ$ F; $\pm 0.25^\circ$ C.

TEMPERATURE- Inside

Range: 32° to $+122^\circ$ F; 0° to $+50^\circ$ C.
Accuracy: $\pm 1.0^\circ$ F; $\pm 0.5^\circ$ C.

RELATIVE HUMIDITY

Range: 0 to 100 % R.H.
Accuracy: $\pm 2\%$ at 25° C. Temperature compensated from -40° to 85° C

DEW POINT

Range: -40° to $+140^\circ$ F.
Accuracy: $\pm 2^\circ$ F, $\pm 1.0^\circ$ C.

TEMPERATURE/HEAT INDEX

Range: To 160° F, 71° C.
Accuracy: $\pm 2.0^\circ$, $\pm 1.0^\circ$ C.

WIND CHILL

Range: to -127° F; to -88° C.
Accuracy: $\pm 2^\circ$ F, $\pm 1.0^\circ$ C.

BAROMETER

Range: 16.3 inches Hg. to 32 inches Hg; 551 to 1084 millibars (hPa), absolute reading. Digital offset for site altitude.
Accuracy: ± 0.05 inches Hg; ± 1.69 millibars (hPa). Temperature compensated from -40° to 85° C.

RAINFALL

Range: Unlimited Tipping bucket with 8 inch diameter collector.
Resolution: 0.01"; 0.25 mm.
Accuracy: $\pm 2\%$ at 1.5 inches per hour.

TRANSCIVERS

Range: may be reduced by walls or other RF absorbing structures.
Each MKIII-LR system will transmit over 1 mile LOS*.
Frequency: 2.4Ghz
Update/sample Rates: Every 2 seconds, no delay.

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RainWise[®] Inc.



RainWise, Inc., is a manufacturer of weather monitoring systems for many industrial uses, including a line of HazMat products used by emergency service professionals. In business for 32 years, RainWise is an employee-owned and operated company providing affordably-priced, high-quality products that are manufactured in the U.S. We are committed to providing outstanding customer service. We provide full technical and installation support for all of our products. Call us with any questions or problems. We also have our product showroom in Bar Harbor, Maine to demonstrate our complete line of consumer products in person.

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Warranty Information

The MKIII-LR, the Weather Oracle[®] and the MKIII-CC-LR Computer Interface have a 2-year warranty. An extended 5-year warranty is available. The solar panel and battery are warranted for 5 years.

800 762 5723
www.rainwise.com

GSA Schedule
Contract GS-07F-5342R