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# RainWise MK-III Long Range Weather Station Sensor Assembly with Integrated Rain Gauge (optional web/PC/Mac connectivity)

## Product Images

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## Short Description

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The MK-III sensor assembly has been designed to offer improved durability and serviceability.

## Description

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**The RainWise MK-III-RTI-LR sensor assembly features all outside sensor components combined together into a single, compact, easy to install unit. Pair with your choice of display and/or interface for Online/Mobile App/PC/Mac data access (see options below).**

The long range MK-III-LR features a powerful 2.4 GHz spread spectrum radio with a range of 1 mile line-of-sight. It also features an industry-best, real time 2 second wind speed and direction update interval.

RainWise has been an engineering pioneer in the weather instrument industry since 1974. They are known for exceedingly accurate and reliable assemblies.

All RainWise sensor assemblies are built to the highest standards of durability and longevity. The compact and sturdy construction can withstand the most aggressive conditions from - 40° ~ 140° F. This sleek design is 33 inches high and weighs just over 7 pounds. It is one of the most accurate, durable and easiest to install weather station available.

## Buying in Bulk, or Just Want Some Helpful Advice?

Call **+44 (0)1243 558280**, click on the webchat box below, or fill out our [contact form](#).

## Additional Information

Brand	RainWise
Country of Manufacture	United States
Contents	MK-III RTI Long Range Sensor Assembly
Explanation	<p>The solar charged battery supply is guaranteed to provide continuous operation below 60 degrees latitude. The MK III will operate for at least 60 days without sun.</p> <p>Since there is no connection between the sensors and the power line, damage from thunderstorms is virtually eliminated and the sensors are immune to power line voltage surges.</p> <p>The initial sensor calibrations for wind, temperature, relative humidity and barometric pressure are traceable to the National Institute of Standards and Technology. The passive solar shield for the temperature and humidity sensors are modelled after the ones designed by the National Weather Service. All materials used in the sensor assembly and weather instruments have been chosen for their durability and resistance to weathering and corrosion.</p> <p>All RainWise weather station hardware is stainless steel. The station is fabricated from fibreglass and structural PVC and is ultra-violet inhibited. The optional Mono Mount is made from powder coated steel and is supplied with bolts for mounting.</p>
Ideal For	Professional
Measurements	Barometric Pressure, Humidity, Rainfall, Temperature, Wind Direction, Wind Speed
Typical applications	Environmental (Outdoor), Field Research, Weather Monitoring
Indoor Unit	<p><b>Options for Accessing your Data</b></p> <p>1. <b>Display</b> - The wall mounted or free-standing Weather Oracle Multi-Display provides a bright LED readout that can be easily seen from across the room.</p> <p>2. <b>Online &amp; Mobile App</b> - The <a href="#">IP-100 Network Interface</a> allows for multiple display options including the <a href="#">RainwiseNet™ cloud data host and web portal</a> and the free RainWise - Real-time Weather+ mobile app for <a href="#">iOS</a> and <a href="#">Android</a>.</p> <p>3. <b>PC/Mac</b> - The <a href="#">CC-3000 Computer Interface</a> allows for computer display and data storage with the included 3rd party weather viewing software (options available for both PC and Mac platforms).</p>

Outdoor Unit	Known for their accurate and reliable sensor assembly, the RainWise MKIII has several groundbreaking features including: A transmission range of up to one mile (when positioned with an unobstructed line-of-site view to the receiver). A rapid data refresh rate of every 2 seconds makes receiving your data virtually real-time.
Sensors	The tipping bucket design was originally developed by RainWise in 1974 and has become the industry standard for rain gauges! Other weather stations use 3-cup anemometers that are susceptible to collecting water and can cause freezing and breaking, leading to repeated down time and ongoing expensive replacements. The RainWise trademark rotary blade design eliminates this concern. In addition it utilises an internal, contact-free magnetic system that provides constant horizontal wind tracking, leaving no mechanical parts to wear out over time and require replacement. Finally, the RainWise aervane is crafted in such a way as to minimise crevices in the body that would be susceptible to ice build-up causing downtime and breakage.
Power	Solar Charged Battery Supply

## Additional Options

Display	Weather Oracle - Cherry Frame
	Weather Oracle - Mahogany Frame
	Weather Oracle - Black Frame
Web/Computer Interface	IP-100 Network Interface (for online & mobile app data access)
	CC-3000 Data Logger & Computer Interface
Mounting Kit	Mono Mount
Handheld Anemometer (to help you position weather station wind sensor in optimum location for maximum wind)	Kestrel 1000 (Pro-quality, made in USA)