

MK-III Weather Station Features

Sensor Assembly	
Construction	<p>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. We've had customers accidentally drop their stations from their rooftops; the stations were unharmed and transmitted perfectly when installed.</p> <p>Our weather stations are 100% made in the USA - fully assembled and hand calibrated to exacting specs in our factory.</p>
Engineering	<p>RainWise has been an engineering pioneer in the weather instrument industry since 1974. We are known for our exceedingly accurate and reliable assemblies .</p> <p>Currently RainWise is leading the field in Online portal & dashbaord technology with the addition of RainwiseNET™, RainwiseNET™ PRO and custom API's. Among our many other credits, RainWise invented the original tipping bucket rain gauge. We use a large 8" diameter collector bucket which meets the NWS specifications for statistical accuracy. The tipping bucket rain gauge has become the industry standard, but most of our competitors do not meet this NWS guideline.</p> <p>RainWise also invented the 1st digital home weather station, the 1st wireless home weather station, and our trademark proprietary anemometer. Other manufacturers use a 3-cup model anemometer which is susceptible to collecting water, freezing and breaking. This leads to repeat down time and ongoing expensive replacements. Our trademark rotary blade design eliminates this concern.</p> <p>In addition our aervane utilizes an internal, contact free magnetic system that provides constant horizontal wind tracking, leaving no mechanical parts to wear out over time and require replacement.</p>
Warranty	
	<p>Our products are so reliable that we happily double the industry standard and offer a standard warranty of 2 years. A 5 year extended warranty is available. It is common for our customers to report that they have working stations that are over a decade old.</p>

Display					
<p>Weather Oracle™ Multi Display</p>	<p>A single station can support multiple displays for added access. Display and update conditions refresh every 2 seconds. Can be set for either English or Metric units.</p> <p>Every measured or calculated parameter has a display, including a wind direction indicator. Some windows have options on what is displayed, the temperature window will display either outside temperature, inside temperature, wind chill or dew point. In addition to the real-time data, the Weather Oracle™ displays minimum and maximum values, with time of occurrence, for wind speed, temperature, relative humidity, temperature humidity index, dew point, and barometer. For rainfall, two different accumulations are recorded. Each rainfall counter shows the time and date of the last counter reset.</p> <p>Bright, clear LED read-out can be seen with ease from 25' away, even in the dark. Far better visibility than any of our competition!</p> <p>Full access to AgroMET™ sensors is attained through RainwiseNET™ Online dashboard and requires the addition of the IP-100™ Network Interface Gateway.</p>				
<p>With the addition of the IP-100™ Network Interface Gateway</p>	<p>RainWise is on the cutting edge of weather Online portal and dashboard technology. RainwiseNet™ is a FREE weather data hosting service for RainWise weather stations and data loggers available through the IP-100™.</p> <ul style="list-style-type: none"> • User selectable uploads intervals. This can be anywhere from hourly to once per minute (support of Wi-Fi, GPRS/GSM and IMARST satellite). • Security is not compromised as all calls are initiated by the sending device (No special provisions in firewalls). • Data export to Excel CSV file. • User up-loadable picture feature. • Where broadband Internet is available weather data upload is done by the IP-100™. • Pro Version is available with added graph, export and alarm features. • Custom API's are available. • AgroMET™ Pyranometer, Leaf Wetness, Soil Moisture and Soil Temp values are accessible through RainwiseNet™. <p>RainwiseNet™ displays these weather conditions with a refresh rate of a minute or less:</p> <table border="0" style="width: 100%;"> <tr> <td style="vertical-align: top;"> <ul style="list-style-type: none"> • Wind Direction • Wind Speed • Precipitation • Insolation </td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> • Humidity • Pressure • Almanac • Local Forecast </td> <td style="vertical-align: top;"> <p>RainwiseNet™ supports live links to the following web partners:</p> <ul style="list-style-type: none"> • Weather Underground • WindAlert • iKitesurf • iWindsurf </td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> • SailFlow • Fishweather • WeatherFlow • PWS </td> </tr> </table>	<ul style="list-style-type: none"> • Wind Direction • Wind Speed • Precipitation • Insolation 	<ul style="list-style-type: none"> • Humidity • Pressure • Almanac • Local Forecast 	<p>RainwiseNet™ supports live links to the following web partners:</p> <ul style="list-style-type: none"> • Weather Underground • WindAlert • iKitesurf • iWindsurf 	<ul style="list-style-type: none"> • SailFlow • Fishweather • WeatherFlow • PWS
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Software	
Forecast	In addition to the above features, RainwiseNet™ allows users to register directly to Weather Underground and access all forecasting data provided through the Weather Underground PWS network.
Communication	
Wireless	2.4 G Hz
Telemetry	Our wireless weather stations have an exceptional 1-mile line of sight transmission. For remote connectivity our TeleMET™ Cellular telemetry solution provides cell phone link-up for optimal remote placement. The TeleMET™ can upload data without an Internet connection and has a customizable upload rate to fit project constraints. Available with solar and wired power options for maximum standalone data access.

MODEL	MK-III-LR™		MK-III™ 418 MHz or 433MHz		AgroMET™
FEATURES	MK-III-RTI-LR	MK-III-RTN-LR	MK-III-RTI-418 or 433	MK-III-RTN-418 or 433	AgroMET
Wireless	◆	◆	◆	◆	◆
Cable Option	+	+	+	+	+
Solar Powered	◆	◆	◆	◆	◆
Integral Rain Gauge	◆	-	◆	-	◆
Wind Speed & Direction	◆	◆	◆	◆	◆
Ambient Temp.	◆	◆	◆	◆	◆
Humidity	◆	◆	◆	◆	◆
Barometric Pressure	◆	◆	◆	◆	◆
Pyranometer	+	+	+	+	◆
Leaf Wetness	-	-	-	-	◆
Soil Temp.	+	+	-	-	+
Soil Moisture	-	-	-	-	+
UV Index	+	+	+	+	-
	◆ Standard	+	-		