

The **JMK-01** Wireless Solar Powered Weather Station



JMK-01 Sensor Assembly
For diagram details and a full comparison
of weather stations see chart





Know Your Weather

Wind, rain, temperature, humidity, pressure

- Fully assembled and factory calibrated.
- Take control of your forecast with fast installation and uploads.
- Plug in to global weather networks.
- Research grade sensor assembly.
- Long range model has exceptional 1-mile line of sight transmission.

	FEATURES	JMK-01
1	Wireless	◆
2	Cable Option	+
3	Solar Powered	◆
4	Integral Rain Gauge	◆
5	Wind Speed & Direction	◆
6	Ambient Temperature	◆
7	Humidity	◆
8	Barometric Pressure	◆
9	Pyranometer	+
10	Leaf Wetness	-
	Soil Temperature	-
	Soil Moisture	-
	UV Index	+

◆ Standard +Available Add-On - Not Available

Access your data using our cutting edge technology:			
IP-100 Network Interface 	CC-3000 Computer Interface 	Weather Oracle Multi Display 	TeleMET 

Specifications

Power Specification: 6V 5AH AGM Sealed Lead Acid, 0.6W Solar Panel

Operating Environment:

Temperature: 40 ~ 60°C
Humidity: 0 ~ 100% Condensing

Ambient Air Temperature Sensor:

Range: 60°C
Accuracy: $\pm 0.2^{\circ}\text{C}$ at 25°C
Resolution: 0.1°C

Relative Humidity:

Range: 0 ~ 100%
Accuracy: $\pm 2\%$ for $10 \leq \%RH \leq 90$ at 25°C
Resolution: 1%
Long Term Drift: $< 0.5\%/Yr$

Barometric Pressure:

Range: 300 ~ 1100 mbar
Accuracy: ± 0.5 mbar between 700-1100 mbar at 25°C
Resolution: 1 mbar
Long Term Drift: 1 mbar/Yr

Liquid Precipitation:

Range: 0 ~ 762 mm/hr
Accuracy: $\pm 2\%$ at 25.4 mm./hr x 3
Resolution: 0.254 mm.

Wind Direction:

Range: 0 ~ 360°
Accuracy: $\pm 3^{\circ}$
Resolution: 1°

Wind Speed:

Range: 0 ~ 67 m/s
Accuracy: Greater of 0.45m/sec.or 5% of Reading
Resolution: 1 m/s
Threshold: 0.45 m/s at a 10° Deflection

Radio Transmitter

2.4GHz

Outdoor Line-of-Sight Range: Up to 1600 m, up to 750 m EU Variant
Transmit Power Output: 18dBm, 10 dBm for EU Variant
Operating Frequency: ISM 2.4GHz

418/433MHz (Options)

Outdoor Line-of-Sight Range: Up to 122 m
Transmit Power Output: 0dBm
Operating Frequency: 418MHz, 433MHz

Electronics: Lead-free RoHS Compliant

Physical:

Packaged Dimensions: 91.44 cm x 50.8 cm x 33.02 cm (36" x 20" x 13")
Packaged Weight: 9.07 kg (20 lbs.)

Weather Oracle™ & Weather Oracle Multi™ Displays

YOUR WEATHER AT A GLANCE

Clean, customizable LED displays

Display and update conditions every 2 seconds.

- 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!
- Set for English or Metric units.
- A single station can support multiple displays for added access.
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Weather Oracle Display

SKU	MODEL	PRODUCT DESCRIPTION
801-0005	W/O DISPL-LR	Weather Oracle Long Range Display
801-0010	W/O DISPL-418	Weather Oracle Display - 418MHz
801-0015	W/O DISPL-433	Weather Oracle Display - 433MHz



Weather Oracle Multi Display - Metal Frame

Heat Index

- Inside Temperature
- Constant clock.
- Ability to see many functions all at once.



Weather Oracle Multi Display - Cherry, Mahogany & Black Wooden Frames

SKU	MODEL	PRODUCT DESCRIPTION
801-0004	W/O MULTI-LR-MT	Weather Oracle JMK-01 - Long Range Display - Metal Frame
801-0001	W/O MULTI-LR-C	Weather Oracle JMK-01 - Long Range Display - Cherry Frame
801-0002	W/O MULTI-LR-M	Weather Oracle JMK-01 - Long Range Display - Mahogany Frame
801-0003	W/O MULTI-LR-B	Weather Oracle JMK-01 - Long Range Display - Black Frame
801-0009	W/O MULTI-418-MT	Weather Oracle JMK-01 Display - 418MHz - Metal Frame
801-0006	W/O MULTI-418-C	Weather Oracle JMK-01 Display - 418MHz - Cherry Frame
801-0007	W/O MULTI-418-M	Weather Oracle JMK-01 Display - 418MHz - Mahogany Frame
801-0008	W/O MULTI-418-B	Weather Oracle JMK-01 Display - 418MHz - Black Frame
801-0014	W/O MULTI-433-MT	Weather Oracle JMK-01 Display - 433MHz - Metal Frame
801-0011	W/O MULTI-433-C	Weather Oracle JMK-01 Display - 433MHz - Cherry Frame
801-0012	W/O MULTI-433-M	Weather Oracle JMK-01 Display - 433MHz - Mahogany Frame
801-0013	W/O MULTI-433-B	Weather Oracle JMK-01 Display - 433MHz - Black Frame

Mounting Options

SET-UP IS A SNAP!

Versatile, inexpensive, durable and easy to install

The **MONO MOUNT**

Constructed from powder coated steel, aluminum and PVC.

- Flexible mounting alternative to the standard 3 foot tripod.
- Quick and easy to install on a pitched or flat roof as well as a vertical surface such as a gable ends.
- Base of the mount can be adjusted to any angle.



Tripod Mount

Mono Mount

The **3-foot TRIPOD**

Solid built 1 1/4 inch diameter 16 gauge galvanized steel

- Can be used on both a flat or pitched roofs, as well for as for ground level installations.

SKU	MODEL	PRODUCT DESCRIPTION
811-1008	MONOMT	Mono mount
811-1004	POD3	3-foot galvanized steel tripod