

WE Weather Measurement

Weather Stations

Solar-Powered Weather Station with Extended Life Backup Battery

Complete weather measurements transmitted from up to 400 feet away

- Solar charged battery operates up to 60 days without sun

This wireless weather station measures and monitors barometric pressure, indoor and outdoor temperature, heat index, relative humidity, dew point, wind speed, wind direction, wind chill, and rainfall levels.

Transmit measurements from up to 400 feet to a multi-LED display console or optional computer interface (sold separately below right). Barometric pressure measurements are accompanied by LEDs indicating the rising or falling trend. Sixteen LEDs depict a compass rose for indicating wind direction. Display time and date, rainfall levels as current or accumulated measurements, and current/min/max readings of all parameters.

Solar charged battery supply guarantees continuous operation for at least 60 days without sun. Download readings to a PC via RS-232 serial cable (99755-50) sold separately below right.

What's included: wireless sensor assembly, rain gauge, remote display and wall transformer.



Complete display of all weather conditions



Specifications & Ordering Information

Display: Multi-LED display

Dimensions

Power

Station: solar power

Display: 120 VAC wall transformer

Station: 13 $\frac{3}{4}$ "H x 5" dia

Display: 13 $\frac{1}{8}$ "W x 6 $\frac{3}{4}$ "H x 1"D

Catalog number		KH-99755-04	
Parameter	Range	Accuracy	
Barometric pressure	16.3 to 32" Hg (551 to 1083 mbar)	± 0.05" Hg (±1.69 mbar)	
Temperature	Inside	32 to 122°F (0 to 50°C) ± 1.0°F (±0.5°C)	
	Outside	-66 to 166°F (-54 to 74°C) ± 1.0°F (±0.5°C)	
	Heat index	160°F (71°C) maximum ±2.0%	
Relative humidity	0 to 100%	±2.0%	
Dew point	-40 to 140°F (-40 to 60°C)	±2.0°F (±1.0°C)	
Wind	Direction	0 to 360°; instantaneous and variation —	
	Compass rose	16 compass points —	
	Speed	0 to 150 mph; 0 to 130 knots; 0 to 67 m/s; 0 to 240 km/hr ±2% of full scale	
	Wind chill	-127°F (-88°C) maximum ±2.0°F (±1.0°C)	
Rain fall	Unlimited tipping bucket with 8" dia	±2.0% at 1.5"/hr	
Price			

Accessories

KH-99755-50 Computer interface, 32K RAM.

Includes a 6-ft long RS-232 cable and software

KH-99755-60 Tripod, 3-ft height; steel



Portable Solar-Powered Weather Station

Designed to measure and record in remote areas

- Log up to one year of weather measurements
- Measures and records barometric pressure, temperature, humidity, dew point, wind direction, wind speed, rain fall, and solar radiation.

Ideal for remote field measurements. Program the logging sample rate from once a minute to once an hour. At one sample per hour, the datalogger will store over one year of measurements. Download data to a laptop for evaluation with included software and RS-232 interface. Weather station fits into rugged transport case.

What's included: solar-powered sensor/data logger assembly, battery charger, compass, ten-foot tripod, tie down hardware, software and RS-232 cable, and a carrying case.



Specifications & Ordering Information

Power: Solar power/battery supply

Dimensions: 3 $\frac{1}{2}$ " W x 13 $\frac{3}{4}$ " H x 3 $\frac{5}{16}$ " D (tripod stands 10-ft tall)

Catalog number		KH-99755-06	
Parameter	Range	Accuracy	
Barometric pressure	10.2 to 37.4" Hg (200 to 1100 mbar)	±0.01" Hg (±0.5 mbar)	
Temperature	-66 to 150°F (-54 to 65°C)	±2.0°F (±1.0°C)	
Relative humidity	0 to 100%	±2%	
Dew point	-40 to 110°F (-40 to 43°C)	±4.0°F (±2.0°C)	
Wind	Direction	0 to 360° (10° resolution) ±5°	
	Speed	0 to 150 mph; 0 to 130 knots; 0 to 67 m/s; 0 to 240 km/hr ±2.0% of full scale	
Rain fall	Unlimited tipping bucket with 8" dia	±2.0% at 1.0"/hr	
Solar radiation	0 to 2,000 w/m ²	3 to 5%	
Price			



Rugged carrying case protects weather station during transport.