

WIRELESS DATA LOGGING WEATHER STATION



WMS831

\$250



Wind speed and direction sensors shown smaller than actual size.

- ✓ Multi Parameter LCD
- ✓ Remote Data Transmission to the Main Unit Via 433 MHz Signal
- ✓ 100 m (328') Transmission Range Without Interference
- ✓ Three Transmission Channels Selection
- ✓ Case Can Be Wall Mounted Using Built-In Hanger

The WMS831 wirelessly transmits outdoor temperature, humidity, quantity of rainfall, wind velocity and direction from the exterior sensors to the display station from up to 100 m (325') away. The unit is expandable up to 5 outdoor temperature/humidity transmitters, for climate control of remote rooms, e.g. children's room, wine cellar, or greenhouses. Monitor indoor temperature and humidity with comfort level indicator of indoor climate. View LCD weather forecast with symbols and trend of atmospheric pressure. Also read absolute and relative atmospheric pressure with 24 hours history and bar graph indication of atmospheric pressure, temperature or humidity for the last 24 hours.

The unit includes a radio controlled clock with different alarms and snooze functions with displays of date and day of the week (6 languages). LCD shows time of rising and setting of sun and moon with indication of moon phase. Wind chill factor and dew point with programmable alarms for temperature and storm conditions. Data logging software and cable are included.

SPECIFICATIONS

Radio Frequency: 433 MHz

RF Reception Range:
30 to 100 m (100 to 328')

Barometric Pressure:

Measuring Range:

14.75 to 32.44 inHg
(500 to 1100 Hpa);
(374.5 to 823.8 mmHg)

Resolution: 0.003 inHg
(0.1 Hpa, 0.08 mmHg)

Accuracy: 0.015 inHg
(5 Hpa; 0.38 mmHg)

Sampling Interval: 20 minutes

Sea Level Altitude Compensation

Range: -200 to 5000 m
(657 to 16,404')

Temperature (Indoor):

Operating Range: -9.9 to 60°C
(14.2 to 140°F)

Resolution: 1°C (2°F)

Accuracy: 1°C (2°F)

Sampling Interval: 10 sec

Temperature (Remote):

Range: -40 to 80°C (-40 to 176°F)

Resolution: 1°C (2°F)

Accuracy: 1°C (2°F)

Transmitting Interval:

Around 47 sec

Humidity (Indoor):

Operating Range: 30 to 80%

Resolution: 1%

Accuracy: 5%

Sampling Interval: 10 sec

Humidity (Outdoor):

Operating Range: 30 to 80%

Resolution: 1%

Accuracy: 5%

Sampling Interval: 10 sec

Transmitting Interval: Around 47 sec

Wind Direction:

Range: 0 to 360°

Resolution: 22.5°

Accuracy: 11.25°

Starting Threshold: 3 mph (4.8 Km/h)

Transmitting Interval: 33 sec

Wind Speed:

Range: 0 to 199.9 mph (199.9 Km/h,
173.7 Knots, 89.3 m/s)

Resolution: 0.1 mph (0.16 Km/h)

Accuracy: (2 mph + 5%)

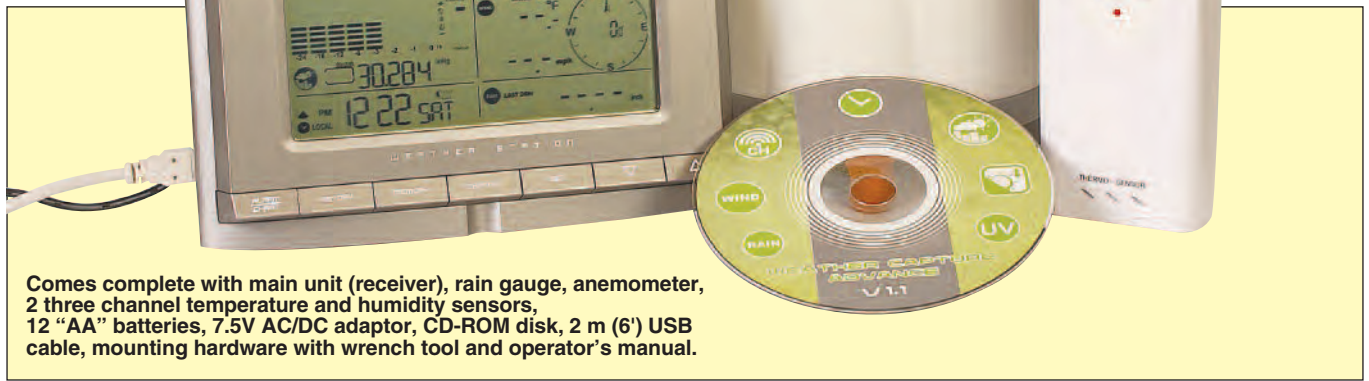
Starting Threshold: 3 mph (4.8 Km/h)

Wind/Gust Speed Display Update

Interval: 33 sec

Wind/Gust Sampling Interval: 11 sec

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Comes complete with main unit (receiver), rain gauge, anemometer, 2 three channel temperature and humidity sensors, 12 "AA" batteries, 7.5V AC/DC adaptor, CD-ROM disk, 2 m (6') USB cable, mounting hardware with wrench tool and operator's manual.

Rainfall:

1h/24h/Yesterday Range:

0 to 1999.9 mm (0 to 78.73")

Last Week/Last Month Range:

0 to 19999 mm (0 to 787.3")

Resolution: 0.6578 mm (0.03")

Accuracy: ±5% ±0.6875 mm (±5% ±0.03")

Transmitting Interval: 183 sec

Hardware Requirement for

PC Software:

Operating System: Windows®

98/NT/2000/ME or XP

Memory Size: Ram 128 MB or more

Hard Disk Size: 100 MB free space or more

Media Device: 1 x CD-Rom drive available serial USB port

Power Source (12 "AA" Batteries):

Main Unit: 4 x UM-3 or "AA" 1.5 V battery; 7.5 V AC/DC power adaptor (200 mA; center pin positive)

(2) Remote Thermo Hygrometer:

2 "AA" 1.5V battery

Remote Anemometer: 2 "AA" 1.5 V battery

Remote Rain Gauge: 2 "AA" 1.5 V battery

Battery Life (Alkaline):

Main Unit: 2 month (without adaptor)

Thermo-Hygrometer: over 12 months

Anemometer: 2 years

Rain Gauge: 2 years

Weight (Without Batteries):

Main Unit: 231 g (8.15 oz)

Remote Thermo-Hygrometer:

65 g (2.29 oz)

Remote Anemometer:

315 g (11.12 oz)

Remote Rain Gauge:

290 g (10.24 oz)

Dimensions:

Main Unit: 186 L x 137 H x 32 mm D (7.31 x 5.39 x 1.26")

Remote Thermo-Hygrometer:

60 L x 101 H x 25 mm D (2.37 x 4 x 1")

Remote Anemometer:

486.6 L x 486.6 H x 390 mm D (19.16 x 19.16 x 15.35")

Remote Rain Gauge:

165 L x 175 H x 119 mm D (6.49 x 6.89 x 4.72")

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model No.	Price	Description
WMS831	\$250	Wireless data logging weather station

Replacement Accessories

Model No.	Price	Description
WMS831-RG	\$40	Replacement rain gauge
WMS831-THT	40	Replacement three channel temperature-humidity transmitter
WMS831-ADAPTOR	20	Replacement AC adaptor
WMS831-SW	20	Replacement software disc
WMS831-CABLE	20	Replacement USB cable
MN1500-6	1.75	Replacement "AA" batteries (2) (12 required to operate)

Comes complete with main unit (receiver), rain gauge, anemometer, 2 three channel temperature and humidity sensors, 12 "AA" batteries, 7.5V AC/DC adaptor, CD-ROM disk, 2 m (6') USB cable, mounting hardware with wrench tool and operator's manual.

Ordering Example: WMS831, complete wireless data logging weather station, \$250.



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• Flow and Level

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