

# REED

## Model LM-81AM

Rotating Vane  
Anemometer



Instruction  
Manual

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## Features

- Measuring Units: m/s, kph, mph, fpm and knots
- Data hold, Record (Max/Min)
- Integral vane design for one hand operation
- Push button operation
- Pocket-sized
- Includes battery

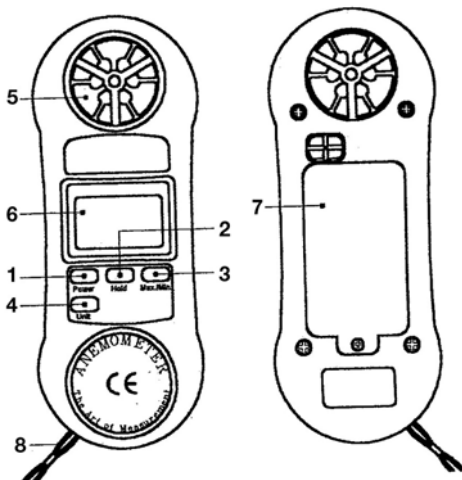
## Specifications

Display:	8 mm LCD display
Operating Humidity:	Max. 80% RH
Operating Temperature:	0 to 50°C (32 to 122°F)
Power Supply:	006P DC 9V battery (heavy-duty type)
Power Consumption:	Approx. DC 17 mA
Weight:	160g (battery included)
Dimensions:	156 x 60 x 33mm (6.14 x 2.36 x 1.29")
Optional Accessories:	Soft carrying case (CA-52A)

Unit	Range	Resolution	Accuracy
ft/min	80 to 5910 ft/min	1 ft/min	$\leq 20$ m/s: $\pm 3\%$ FS $> 20$ m/s: $\pm 4\%$ FS
m/s	0.4 to 30.0 m/s	0.1 m/s	
km/h	1.4 to 108.0 km/h	0.1 km/h	
MPH	0.9 to 67.0 mile/h	0.1 MPH	
knots	0.8 to 58.3 knots	0.1 knots	

# Instrument Description

1. Power Button
2. Hold Button
3. Max. / Min. Button
4. Unit Button
5. Air Flow Sensor
6. LCD display
7. Battery Compartment / Cover
8. Wristlet



# Operating Instructions

1. Power on the instrument by pressing the Power Button
2. Press the Unit Button to select unit that you want and then face the Air Flow Sensor to the source of wind
3. Allow time for reading to become stable and note the value indicated

## *Hold Function*

Pressing the Hold Button will freeze the current value with a “HOLD” symbol on the display. Press again to release the hold function.

## *Data Record Function*

The Data Record function records & displays the maximum and minimum reading values.

1. Press the Max/Min Button once and the “Max” symbol along with the maximum value will appear on the display.
2. Press the Max/Min Button again, the “Min” symbol along with the minimum value will appear on the display.
3. To exit the memory record function, press the Max/Min Button continuously for at least 2 seconds. The display will revert to the current reading.
4. Clear the Max/Min value recorded by pressing the Hold Button. Previous recorded Max/Min value will be given up and then revert to the REC. function keep on recording.

## *Auto Power Off*

In order to prolong the battery life, the instrument has an “Auto Power Off” function. The meter will switch off automatically if no buttons are pressed for around 10 minutes.

# Battery Replacement

When the left corner of the LCD display shows the low battery symbol, this indicates that replacement of the battery is then needed. However measurements could still be taken for another few hours before the meter becomes inaccurate.

1. Open the Battery Cover at the back of the meter and remove the battery
2. Replace with a 9V battery (alkaline or heavy-duty type) and reinstall the cover

Contact:  
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support@instrumentation2000.com  
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**Notes** \_\_\_\_\_

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