

# Anemometer

**Model : LM-81AM**

## 1. FEATURES

* Professional Anemometer.
* Tiny bone shape with lightweight and small size case design are suitable for handling with one hand.
* Wristlet design provides extra protection to the instrument especially for user one hand operation.
* Low-friction ball vane wheels design provides high accuracy at high and low air velocity.
* Build in microprocessor circuit assures excellent performance and accuracy.
* Concise and compact buttons arrangement, easy operation.
* Memorize the maximum and minimum value with recall.
* Air velocity measuring units selectable by pressing button on the front panel for five kinds of units.
* Hold function to freeze the current reading value.



## 2. SPECIFICATIONS

### 2-1 General Specifications

Display	LCD display, 8 mm digit size.
Measurement	m/s, ft/min, km/h, MPH, knots
Operating Humidity	Max. 80% RH.
Operating Temperature	0 to 50° C (32 to 122° F)
Over Input Display	Indication of "- - - -"
Power Supply	006P DC 9V battery (Heavy duty type)
Power Consumption	Approx. DC 6.2 mA
Weight	160g (battery included)
Dimension	HWD 156x60x33 mm (6.14x2.36x1.29 inch).
Standard Accessory	Instruction Manual
Optional Accessories	Carrying case ( CA-52A ).

### 2-2 Electrical Specification ( 23 ± 5 °C )

Measurement	Range	Resolution	Accureacy
m/s	0.4 to 30.0 m/s	0.1 m/s	$\leq 20 \text{ m/s} : \pm 3\% \text{ F.S.}$ $> 20 \text{ m/s} : \pm 4\% \text{ F.S.}$
ft/min	80 to 5910 ft/min	1 ft/min	
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	
<p><i>Remark :</i></p> <p><i>ft/min : feet per minute</i>                      <i>MPH : miles per hour</i></p> <p><i>m/s : meters per second</i>                      <i>knots : nautical miles per hour</i></p> <p><i>km/h : kilometers per hour</i>                      <i>Ft-cd : feet candle</i></p>			