

+ Temperature

# ANEMOMETER

Model : LM-81AT

ISO-9001, CE, IEC1010



**Lutron**

LUTRON ELECTRONIC

*The Art of Measurement*

# ANEMOMETER

Model : LM-81AT

## FEATURES

- \* Measure and display the Air velocity ( wind speed ) and temperature value at the same time.
- \* 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 bearing mounted vane wheel 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.

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 8 mA
Weight	153 g/0.34 LB * <i>battery included</i>
Dimension	156 x 60 x 33 mm 6.14 x 2.36 x 1.29 inch
Standard Accessory	Instruction Manual
Optional Accessories	Carrying case, CA-52A

## GENERAL SPECIFICATIONS

Measurement	Air velocity, Temperature <i>m/s (meters per second), km/h (kilometers per hour), ft/min (feet per minute), knots (nautical miles per hour), mile/h(miles per hour), Temp.- °C, °F</i>
Circuit	Custom one-chip microprocessor LSI circuit.
Display	LCD size : 19 mm x 32 mm. <i>Dual display to show the air velocity and the temperature at the same time.</i>
Sensor Structure	<i>Air velocity sensor :</i> Conventional twisted vane arms and low-friction ball-bearing design.  <i>Temperature sensor :</i> Precision thermistor.
Memory Recall	Records Maximum, Minimum readings with recall.
Power off	Manual off by push button or Auto shut off after 10 minute(Not activated during memory record function).

## ELECTRICAL SPECIFICATION ( 23 ± 5°C )

### Air Velocity

Unit	Range	Resolution	Accuracy
ft/min	80 to 5910 ft/min	1 ft/min	≤ 20 m/s : ± 3% F.S.
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	> 20 m/s : ± 4% F.S.
MPH	0.9 to 67.0 mile/h	0.1 MPH	
knots	0.8 to 58.3 knots	0.1 knots	

#### Remark :

- ft/min : feet per minute*
- m/s : meters per second*
- km/h : kilometers per hour*
- MPH : miles per hour*
- knots : nautical miles per hour*

### Air temperature

Measuring Range	0 °C to 50 °C/32 °F to 122 °F
Resolution	0.1 °C/0.1 °F
Accuracy	± 0.8 °C/1.5 °F

\* Appearance and specifications listed in this brochure are subject to change without notice.