

+ Temperature

ANEMOMETER

Model : LM-81AT

ISO-9001, CE, IEC1010



Lutron

LUTRON ELECTRONIC

The Art of Measurement

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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 * battery included |
| 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.

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