DIGITAL ANEMOMETER

This DIGITAL ANEMOMETER is small in size, light in weight, easy to carry. Although complex and advanced, it is convenient to use and operate. Its ruggedness will allow many years of use if proper operating techniques are followed. Please read the following instructions carefully and always keep this manual within easy reach.

200211-4826

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1.FEATURES

*This portable anemometer provides fast accurate readings, with digital readability and the convenience of a remote sensor separately.

* Multifunctional. The measurement unit can be selected according to different requirements, m/s, km /h, ft/min, knots.

* Low-friction ball-bearing design allows free vane movement, resulting in accuracy at both high & low velocities.

* A sensitive balanced vane wheel rotates freely in response to airflow.

* Conventional twisted vane arms, always a source of unreliability has been eliminated.

* DATA HOLD function for storing the desired value on display to read.

* LCD display for low power consumption & clear readout even in bright ambient light condition.

* Used the durable, long-lasting components, including a strong, light weight ABS-plastic

housing case.

* Low battery indication.

* Wide applications: use this anemometer to check air conditioning & heating systems, measure air velocities, wind speeds.

2.SPECIFICATIONS

2-1 General Specifications

Display: 10mm (0.4) LCD (Liquid Crystal Display), 4 digits.

Measurement

m/s (meters per second).
km/h (kilometers per hour).
ft/min (feet per minute).
knots (nautical miles per hour).
Data hold

Operating Temp: 0℃to 50℃ (32 ℉to 122℉)

Operating Humidity:

Less than 80% RH

Power Supply: 1x6F22 9V battery (default)
or 4x1.5AA (UM-3) battery

Weight: 325g/0.72 lb (including batteries)

Dimension: 140x71x32mm (5.5x2.8x1.3inch)

Sensor Head: Round, 72mm Diameter.

Accessories:

Sensor probe.....1pc.

Carrying case.....1pc.

Operational manual.....1pc.

2-2 Electrical Specifications (23±5℃)

Range	Resolution	Accuracy
m/s 0.4~30	0.1	±(2%+1d)
km/h 1.4-108.0	0.1	±(2%+3d)
ft/min 80~5910	1	±(2%+2d)
knots 0.8~58.3	0.1	±(2%+2d)

3. FRONT PANEL DESCRIPTIONS

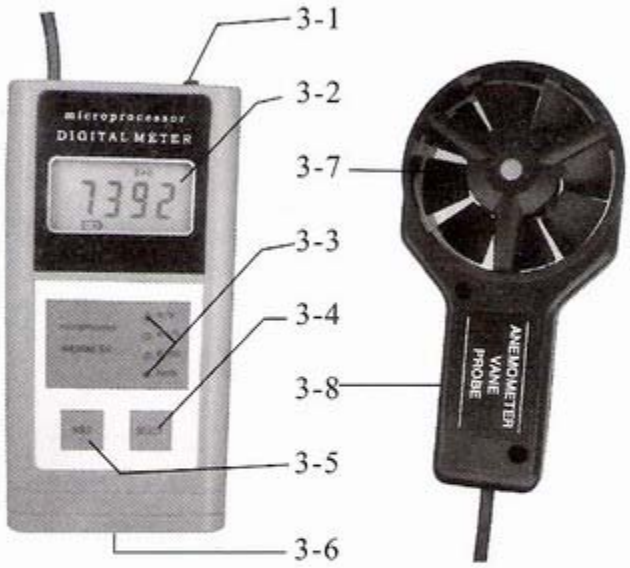

Fig. 1

3-1 Power switch
3-2 Display
3-3 Select LED
3-4 Select key
3-5 Hold key

3-6 Battery compartment/cover
3-7 Sensor head
3-8 Sensor handle

4. MEASURING PROCEDURE

(1)Set the Power switch (3-1) to "ON" position to switch on power supply.

(2)Select the requirement measurement unit by depressing the Select key (3-4) for a while. Make sure that the appropriate SELECT LED (3-3) lights according to the measurement requirement.

(3)Hold the Sensor handle (3-8) by hand and Let the Sensor head (3-7) is opposite to the measuring airflow. Display (3-2) will show air velocity directly.

NOTE: There is one "yellow mark" bearing on the sensor head to indicate the opposite direction of measured airflow.

(4)During the measurement, it will hold the display value if depressing Hold key (3-5) for a while when the symbol "max" appears on the display. The reading is an instant value if "max" does not show up. The appearance of symbol "max" is controlled by depressing the Hold key (3-5).

5.BATTERY REPLACEMENT

(1)When it is necessary to replace the battery, i.e. battery voltage less than approx. 5v, "- +" will appear on the Display.

(2)Slide the Battery Cover (3-6) away from the instrument and remove batteries.

(3)Install a 9v battery or the batteries (4 x 1.5v AA/ UM-3) correctly into the case.

(4)If the instrument is not to be used for any extended period, remove batteries