

with Temperature measurement

ANEMOMETER

Model : AM-4202



Your purchase of this ANEMOMETER THERMOMETER marks a step forward for you into the field of precision measurement. Although this METER is a complex and delicate instrument, its durable structure developed. Please read the following instructions carefully and always keep this manual

OPERATION MANUAL

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1. FEATURES

- * The portable anemometer provides fast, accurate readings, with digital readability and the convenience of a remote sensor separately.
- * Multi-functions for air flow measurement: m/s, km/h, ft/min, knots.
- * Build in temperature 蠕, 蚌 measurement.
- * Thermistor sensor for fast temp. response time.
- * 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 air flow.
- * Conventional twisted vane arms, always a source of unreliability have been eliminated.
- * DATA HOLD function for stored the desired value on display. Large LCD display, easy to read.
- * LCD display for low power consumption & clear read-out even in bright ambient light condition.
- * Used the durable, long-lasting components, including a strong, light weight ABS-plastic housing case.
- * Compact housing cabinet, easy to carry out.
- * Built-in low battery indicator.
- * Wide applications: use this anemometer to check air conditioning & heating systems, measure air velocities, wind speeds, temperature...etc.

3. FRONT PANEL DESCRIPTION

Fig. 1

- 3-1 Display
- 3-2 Off/On/Hold Switch
- 3-3 Function Switch
(ANEMOMETER, 风, 蚌)
- 3-4 Range (m/s, km/h, ft/min,
knots/Temp) Switch
- 3-5 Battery Compartment/Cover
- 3-6 Vane Probe Head
- 3-7 Vane Probe Handle

4. MEASURING PROCEDURE

4-1 Air velocity measurement

- 1) Select the " Off/On/Hold Switch " (3-2, Fig. 1) to the " On " position.
- 2) Select the " Function Switch " (3-3, Fig. 1) to the " ANEMOMETER " position.
- 3) Select the " Range Switch " (3-4, Fig. 1) to the " m/s ", " km/h ", " ft/min " or " knots " position according to the measuring requirement.
- 4) Hold the " Vane Probe Handle " (3-7, fig. 1) by hand & let the " Vane Probe Head " (3-6, Fig. 1) is opposite to the measuring air flow source, then the " Display " (3-1, Fig. 1) will show air velocities directly.

Measuring Consideration :

The yellow dot mark on the sensor head indicates the " yellow dot mark " need to face against the direction of air flow.

- 5) During the measurement, it will hold the display values if select the " Off/On/Hold Switch " (3-2, Fig. 1) to the " Hold " position.

4-2 Temperature measurement

- 1) Select the " Off/On/Hold Switch " (3-2, Fig. 1) to the " On " position.
- 2) Select the " Function Switch " (3-3, Fig. 1) to the " 蛭 " or " 蚌 " position.
Select the " Range Switch " (3-4, Fig. 1) to the " Temp " position.

- 3) The meter is designed intend to measure the environment air temperature. There is built one temp. sensor (precision thermistor) into the center of the " Sensor Head " (3-6, Fig. 1).

When do the temperature measurement, it is necessary to hold the Sensor Handle (3-7, Fig. 1) by hand & let the Sensor Head is opposite to the measuring air source, then the display will show air temperature directly.

- 4) During the measurement, it will hold the display values, if slide the " Off/On/Hold " selector (3-2, Fig. 1) to the " Hold " position.

5. REPLACEMENT OF BATTERY

- 1) When the left corner of LCD display show " BAT ", it is necessary to replace the battery. However, in-spec. measurement may still be made for several hours after low battery indicator appears before the instrument become inaccurate.
- 2) Loose the " Battery Cover Screw " (3-5, Fig. 1), slide the battery cover away from the instrument and remove the battery.
- 3) Replace with 9V battery (heavy duty type) and reinstate the cover.
- 4) Make sure the battery cover is secured with the screw after changing battery.