



Model: AR837

Humidity & Temperature Meter Instruction manual



Please read this manual carefully before using Temperature & humidity meter. The instruction will show you how to use this premium quality and accurate meter distinctly. Temperature & humidity meter widely apply on laboratory, warehouse, air conditioning system and quality control etc.

A Features

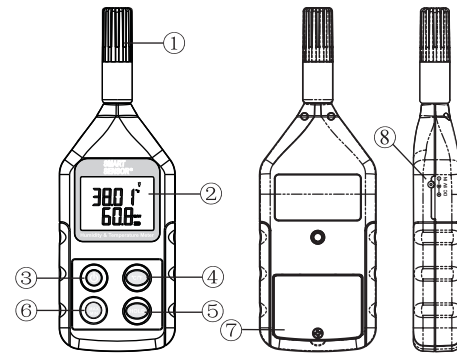
- (1) Large LCD dual display
- (2) Humidity & temperature measuring
- (3) Humidity & temperature Max / Min measuring
- (4) Data hold
- (5) °C/°F selectable
- (6) Low battery indication
- (7) No operation 15 minute auto power off
- (8) External DC 9V power

B Operation

- 1) Open battery door and install 9V battery properly. Press ON/OFF button to turn on unit for measuring
- 2) Celsius / Fahrenheit selectable: Press °C/°F button for temperature reading in celsius or Fahrenheit. (Celsius defaulted)
- 3) Temperature & humidity Max/Min functions: Press Max/Min button, LCD display temperature maximum reading, press button again will display humidity maximum reading. Continue to press Max/Min will enter to display temperature / humidity minimum readings, operation as above.
- 4) Data hold: While in normal measuring status, the temperature & humidity readings can be held at any time by pressing HOLD.
- 5) When \square shows, please replace the battery to prevent imprecision measurement.
- 6) Default 15 minute auto power off. Long press key Max/Min to 3 seconds, LCD display ON /OFF, cancel this function

C Specification:

Temperature range: -10°C to 50°C
 Relative humidity range: 5.0%RH to 98%RH
 Accuracy:



Temperature: $\pm 1.5^{\circ}\text{C}$

Relative humidity: $\pm 3.0\%RH$ (in25°C, 40to80%RH)
 $\pm 5\%RH$ (in25°C, 10to40%RH, 80to95%RH)

Resolution: 0.1°C/0.1°F; 0.1%RH

Sampling rate: 2.5 times/sec

Power supply: 9V battery

Operating conditions:

-10°C to 50°C(32°F to 122°F)
 $\leq 80\%RH$ non-condensing

Storage conditions: -10°C to 50°C(32°F to 122°F)
0%RH to 90%RH

D Diagram description:

- 1) Temperature and humidity sensor
- 2) LCD
- 3) ON/OFF button
- 4) Celsius / Fahrenheit switch button
- 5) Hold reading button
- 6) Min/Max function button
- 7) Battery door
- 8) External DC 9V power jack, inner “-”, peripheral “+”

