✺ SMART SENSOR®   Model：AR827
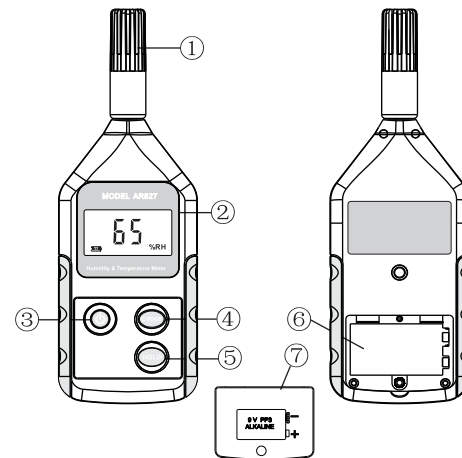
Humidity & Temperature Meter
Instruction manual

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   Specification:
 1) LCD display reading;
 2) Measurement range:
    Temperature: -10℃～+50℃ / 14℉～+122℉
    Humidity: 10%～ 99%
 3) Accuracy:
    Temperature: ±1℃ (±2.8℉)
    Humidity: ±3% (in 25℃, 30~99%RH)
            ±5% (in 25℃, 10~30%RH)
 4) Response time:
    Temperature: 1℃/3 sec (approx.)
    Humidity: 45%~99%RH≤3 minutes
            99%~45%RH≤5 minutes
 5) Resolution:
    Temperature: 0.1℃ / 0.1 ℉
    Humidity: 0.1%
 6) Sampling time: 2 times/sec
 7) Operation conditions:
    Temperature: -0℃～+40℃
    Humidity: < 99%
 8) Power supply: 9V alkali battery
 9) Storage condition:
    Temperature: -10℃～+60℃
    Humidity: <70%

B   Diagram description:
 1) Temperature and humidity sensor
 2) LCD
 3) ON/OFF button
 4) Temperature and humidity switch button
 5) Hold reading button
 6) Battery compartment
 7) Battery door

C   Operation
 1) Open battery door and insert 9V battery properly.
 2) Press ON/OFF button to turn on, LCD will show temperature reading instantly. When the reading became stable, press Hold button for locking the data.
 3) Press C/RH/F button convert to measuring environmental humidity, LCD will show RH reading instantly. RH reading will became stable after 15 sec (approx.).
    While turning on, LCD display temperature in Celsius, press C/RH/F button to obtain RH data, press C/RH/F button again LCD will convert to show temperature in Fahrenheit.

IntelliSafe   CE   ISO 9001   UKAS QUALITY MANAGEMENT 005