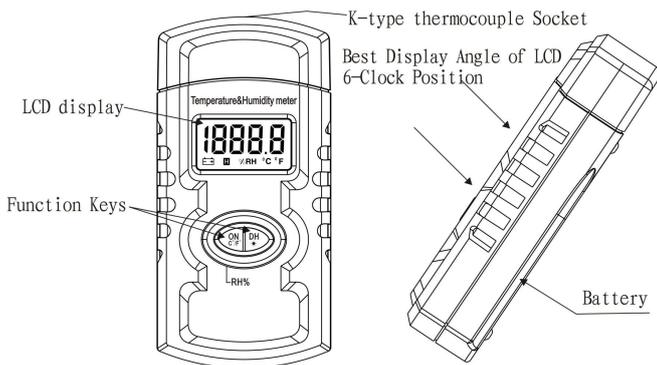# 2GR
OPERATION MANUAL
HUMIDITY THERMOMETER

Many thanks for choosing this Thermometer. please read this manual completely before use.

1. OVERVIEW

As a kind of Thermometer with wide applications, this meter is characterized at:

1-1. Large LCD display for easy reading.
1-2. Fast response and high accuracy.
1-3. Wide temperature testing range.
1-4. With inside Temp, sensor for environment Temp, indication.
1-5. Auto of manual power-off after 10 minutes no operation.
1-6. With data-hold function key.
1-7. With humidity / thermometer function select key.
1-8. With ℃/℉ unit select key.
1-9. With Backlight key。

2. SPECIFICATION

2-1. 3 1/2 LCD display Character height: 6.5mm.
2-2. Sampling time:3 times/second.
2-3. Range/Resolution/Accuracy.

Range	Resolution	Accuracy
-40~0℃		±0.3%rdg +4℃
0~100℃	1℃	±0.3%rdg +1℃
100~700℃		±0.6%rdg +4℃
700~1370℃		±0.6%rdg +6℃
-40~0℉		±0.3%rdg +6℉
0~212℉	1℉	±0.3%rdg +3℉
212~1292℉		±0.6%rdg +6℉
1292~2498℉		±0.6%rdg +8℉
5~99%RH	1%RH	±0.2%rdg+4RH

2-4. Power-supply:1.5V(LR44) ×2.
2-5. Product Size: 81.5mm×40mm×20mm.
2-6. Weight:98g(no battery included).
2-7. Working condition:0~50℃,0~90%.
2-8. Storage: -10~50℃,0~95%

3. ACCESSORIES

Include:
1). K-type thermocouple ×1.
2). Manual ×1.
3). 1.5V Battery(LR44) ×2.

4. OPERATION

4-1. User Interface
4-2. Symbol illustration:

1). ⏻: Power key/℃ and ℉ unit select key.

2). 🔆: Data Hold/Backlight key
3). ℃: Celsius Measurement Symbol.
4). ℉: Fahrenheit Measurement Symbol.
5). ⊟: Low Power Symbol.

5. Basic operation

5-1. After install 1.5V battery properly, press POW key, the meter rightly, and it is ready for testing in 2 seconds (the initial indicating is temperature).
5-2. Before testing, please replace the battery at once if LCD shows the symbol ⊟ sometimes, the meter can not be powered on when the battery capacity is too low, in that circumstance, please replace battery and power on the meter again.
5-3. when the meter is powered on, it will show temperature of environment first, in order to get accurate temperature value, please put the meter there for at least 5 minutes after the meter is powered on.
5-4. Plug the thermocouple into the socket on the top, then the meter starts to testing the temperature around the thermocouple sensor tip, and you can read the temperature value from LCD. In order to get accurate temperature value, please put the meter there for at least 5 minutes .
5-5. You can press "⏻" key to convert temperature unit and humidity. Press "⏻" button for 2 seconds was off.
5-6. You can press "🔆" key to data retention, and data retention symbol appears. Press "🔆" button for 2 seconds or more, compared with the backlight on. Press and hold again, was closed.
5-7. This meter has auto power-off function (after 10 minutes no operation), touched the SET/ON time will be calculated renewedly.

6. NOTICE & MAINTENANCE

6-1. This meter is accurate instrument, in order to guarantee stale performance and long life of it, please do not use it under foul circumstances, and never change or adjust the inside circuits or components.
6-2. Please take out the batter if the meter is not used for long time.
6-3. Please replace the battery in time after the symbol ⊟ occurs on LCD.