

Water Activity Meter

RAW700

User's Manual

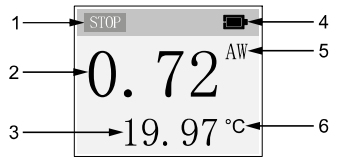
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Display Symbols



1	The Indication of Measuring State
2	Water Activity Value display area
3	Sample Temperature display area
4	The State of Batteries
5	Water Activity Unit (AW)
6	Sample Temperature Unit (°C)

Specifications

Display	LCD
Sensor	Non-conductive Humidity Sensor
Range	0.00~1.00aw
Accuracy	±0.02aw
Resolution	0.01
Measuring Time	5 Minutes (General Sample)
Data Memorized	99 Groups
Operating Conditions	Temperature : 0~50°C, Humidity: 0~80%RH (No Condensation)
Storage Conditions	Temperature : -10~60°C, Humidity: 0~90%RH (No Condensation)
Power Supply	3×1.5V AAA(UM-4) Battery
Size	Main Unit: 75×23×151mm
	Sample Cup: φ35mm
Standard Accessories	Main Unit ×1
	Sample Cup ×5
	Manual ×1
	Carrying Case ×1

Note:
When move from one temperature/humidity extreme to another, please wait minutes for the Meter to stabilize condition.

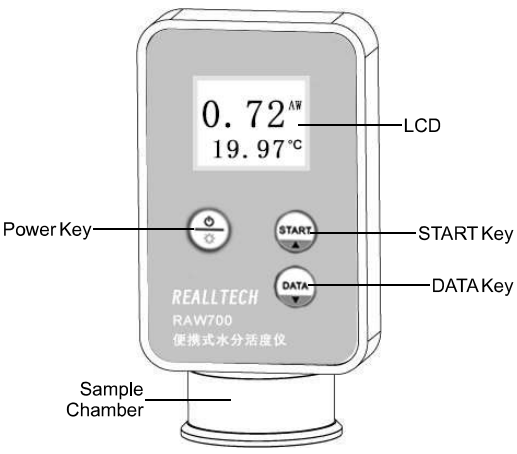
Introduction

RAW700 is a portable water activity meter, which can measure the water activity of solid (powder, granular, block), liquid and pasty samples. It is mainly used for the effective moisture that microorganisms can use or participate in chemical reactions in the reaction equilibrium state, product stability and microbial reproduction ability. Widely used in food processing, feed production, chemical and pharmaceutical, scientific research, experiments and other occasions.

Features

- Large LCD with display.
- It can display water activity and temperature of samples at the same time.
- The backlight brightness can be adjusted.
- High-precision sensor.
- High accuracy and stable performance.
- The measuring time is 5 minutes and easy to operate.
- With data memory and view functions.
- With battery indication function.
- With automatic power off function.

Descriptions



Instructions

- **Power On/Off**
Power On: press and hold **the Power key**.
Manual Power Off: press and hold **the Power key** for 3 seconds.
Automatic Power Off: 10 minutes after no operation.

- **Backlight Brightness**
Short Press **the power key**, adjust the backlight brightness. The brightness adjustment sequence is 100%→60%→30% cyclic.

- **Measuring**
Start Measuring: short press **the START key**, the meter starts measuring, and the "RUN" symbol appears on the display.
Stop Measuring: the "STOP" symbol appears on the display.
Complete Measuring: the "DONE" symbol appears on the display and you will hear 3 beeps.
(Note: The measurement data is memorized automatically.)

- **Data Viewing**
Data Viewing: press and hold **the DATA key** to view the memorized data; press and hold **the DATA key** again to exit.
Turn to page: short press **the START key**, turn to previous page; short press **the DATA key**, turn to next page.

Battery Replacement

1. When the indication "⚡" symbol appears on the display, it means low battery and needs to replace batteries timely.
2. Unscrew the top screw and open the back cover.
3. Replace the new batteries correctly according to "+" and "-" in the battery compartment.
4. If the meter will not be used for a long time, please remove the batteries to prevent the batteries from rot and damage the meter.

Cleaning

To avoid damage, do not use abrasives or solvents for cleaning the meter. Do not disassemble the meter without authorization, the wrong method will cause man-made damage.

Services

If you want to know more services, please contact with services@realltech.cn.