

YKHD5A Water Activity Meter



Product Features

1. The instrument has been calibrated by the China Institute of Metrology and can be used as a reference equipment for transfer standards.
2. It complies with the latest international standard on water activity (ISO18787:2017 Foodstuff-Determination of water activity) (this standard has replaced ISO 21807:2004)
3. The application of new imported sensors ensures stable and accurate measurement
4. The new data processing model ensures accurate measurement of the instrument over the entire range and has extremely high measurement data stability
5. The measurement time can be realized automatically, timed, manual, and scheduled, and the operation method is extremely flexible and convenient
6. Historical data can be queried at any time according to the sample name or measurement time
7. There is no limit on the object to be measured, solids, liquids, blocks, and powders can all be measured
8. The fastest measurement time is only 2 to 3 minutes



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Technical indicators

1. Working environment: temperature $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$ Humidity $0 \sim 95\% \text{RH}$
2. Measuring range: temperature $-10 \sim 50^{\circ}\text{C}$ Water activity $0 \sim 1.0000 \text{aw}$
3. Measuring accuracy: temperature $\pm 0.30^{\circ}\text{C}$ Water activity $\pm 0.0100 \text{aw} (@ 23^{\circ}\text{C} \pm 5^{\circ}\text{C})$
4. Activity repeatability: $\leq 0.0050 \text{aw}$
5. Resolution: Activity: 0.0001aw Temperature: 0.01°C
6. Display mode: 7-inch high-definition display Resolution: $1280 * 840$ pixels
7. Control mode: Android system smart screen
8. End point control mode: automatic, timed, manual (can be determined according to the measurement curve)
9. Measurement time: ① Automatic determination of end time ② Timing: $5 \sim 60$ minutes
10. Appointment measurement: 3 times can be set to automatically measure the sample
11. Data processing: ① The measurement interface can display the measurement data, curves (can display the measurement data 0.0001aw change), and save the data
② Automatically save the result data according to the set product name during measurement
③ Data can be queried according to the sample name or measurement time and stored in Excel file
12. Data transmission method: WIFI, USB flash drive
13. The measurement data can be stored indefinitely
14. Calibration method: multi-point joint calibration, single-point calibration
15. Number of measurement points: 1 point
16. Power supply voltage: $100 \sim 230 \text{VAC}$ $50 \text{Hz} / 60 \text{Hz}$
17. Dimensions: $240 \text{mm} * 210 \text{mm} * 118 \text{mm}$
18. Power: $< 15 \text{w}$