

HD-3A Intelligent Water Activity Meter



aW Measuring range: 0-0.980aw
aw accuracy: ± 0.015 (at 25°C)
Temperature accuracy: ± 0.5 °C
measuring sensor qty: 1 sensor

Introduction:

Water activity or aw , indicates the free water content when food is stable, measures the possibility of microbial proliferation. Food formulators use water activity to predict how much moisture migration will affect their product, so that to choose suitable package and storage method to reduce the usage of antiseptics.

Features:

- 1.HD-3A water activity is a single-point measurement equipment, adopting high precision sensor WSC-4;
- 2.Professional design ensures stable and reliable performance;
- 3.Reasonable structure design provides easier operation;
- 4.Quick in calibration and measurement: needs only 10 minutes;
- 5.Free from repeated calibration;
- 6.High brightness LCD display;
- 7.Equipped with printer, convenient to record data;
- 8.Long life, high accuracy, solid, liquid, powder are measurable.



Specification	Details
Model	HD-3A
Measuring Range	Water activity: 0–0.980 aw (no condensing) Temperature: 0–50°C
Measurement Accuracy	Water activity: ± 0.015 (@25°C) Temperature: $\pm 0.5^{\circ}\text{C}$
Repeatability	≤ 0.015
Temperature Coefficient	$\leq 0.0005 / ^{\circ}\text{C}$
Measurement Points	1
Print Method	Print after measurement / Real-time print
Display	Large LCD 128×64 dots
Output Mode	Built-in micro printer
Supply Voltage	220VAC $\pm 10\%$ (Optional 110VAC $\pm 10\%$)
Power Consumption	$\leq 15\text{W}$
Dimensions	320 × 120 × 340 mm
Working Environment	Temperature: 0–50°C Relative Humidity: 0–95% RH
Package	Portable aluminum case + export carton

