

# WATER ACTIVITY METER



**NELSON JAMESON**  
INC.

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# NELSON-JAMESON WATER ACTIVITY METER QUICK START

## Preparation

Confirm that the Nelson-Jameson water activity meter components are intact. For set up before taking a reading, gather the following items from the kit: sample material and cup, verification standards, Nelson-Jameson water activity meter.

Read the full water activity meter manual at [nelsonjameson.com/wateractivityresources](http://nelsonjameson.com/wateractivityresources). All products have a 30-day satisfaction guarantee.

## Verification Versus Calibration

### Verification

The water activity meter needs to be verified with a primary and secondary verification standard every day. Measuring one standard at the bottom of a water activity range and one towards the top of the range will alert the operator to shifts in the calibration.

### Calibration

If a shift occurs and the standard is not measuring within specifications, clean the instrument. If the standard is still not measuring within specifications, start with the 0.760 standard and adjust the calibration up or down. Then move on to the 0.250 or 0.920 standard as appropriate. Refer to the water activity meter user manual ([nelsonjameson.com/wateractivityresources](http://nelsonjameson.com/wateractivityresources)) for detailed instructions.

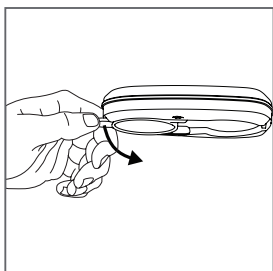
**NOTE:** Adjusting the calibration of the instrument should only be done when the verification standards are not reading within specifications.

## Installation

### 1. Select Location

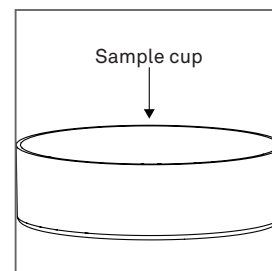
Place the water activity meter on a level surface when measuring to ensure correct and consistent operation. This also prevents the risk of spilling inside the meter. Place the meter where the temperature remains fairly stable to avoid inaccurate readings.

**IMPORTANT:** Temperature fluctuations or vibrations will strongly affect the accuracy of results.



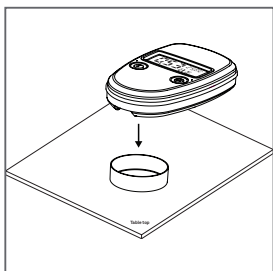
### 2. Prepare Sample

Take special care when preparing the sample in order to get the best readings possible. Always use clean sampling practices to ensure accurate and repeatable readings. Use a homogenous sample, wash hands thoroughly, fill sample cup no more than half full, and clean the sample cup's bottom, edges, and rim thoroughly with KIMWIPES® strips.



### 3. Place Sample

Open the water activity meter cover and rotate and snap into open position. Place prepared sample cup on a level surface. Place opened water activity meter onto the prepared sample cup.



### 4. Take a Reading

Press the I button to turn water activity meter on. Press the I button a second time to begin the water activity measurement. After 5 min, the water activity meter displays the final water activity and beeps 5 times.

