METER

AQUALAB® TDL
WATER ACTIVITY METER

SUPPORT

Have a question or problem? Our support team can help.

We manufacture, test, calibrate, and repair every instrument in house. Our scientists and technicians use the instruments every day in our product testing lab. No matter what your question is, we have someone who can help you answer it.

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AQUALAB TDL QUICK START

Preparation

Inspect and verify that all AQUALAB TDL components arrived in good condition.

Select a clean, level location where the temperature is stable. Locations with high temperature variability (e.g., next to air conditioners, heater vents, or open windows) can affect the accuracy of readings.

What is water activity?

Water activity is the best way to understand the state of water in your product.

Learn more about what it is and how to use it at meter.ly/wateractivityfoodsafetyandquality

Maintenance

The accuracy of the AQUALAB TDL should be verified at least once per shift. If the verification standards read out of specification, the instrument needs to be cleaned.

For detailed instructions on how to verify and clean the AQUALAB TDL, visit metergroup.com/en/meter-food/instrument-training/aqualab-tdl-certification or consult the AQUALAB TDL User Manual (metergroup.com/tdl-support).

To reduce the chance of the sample material contaminating the measurement chamber, keep the AQUALAB TDL on a level surface at all times. Do not move the instrument while a sample is loaded into the chamber.

For more information on preventing contamination, visit metergroup.com/en/meter-food/instrument-training/aqualab-tdl-certification or consult the AQUALAB TDL User Manual.

Measuring Moisture Content

These quick start instructions apply to measuring water activity with the AQUALAB TDL. For instructions on measuring moisture content, consult the AQUALAB TDL User Manual.

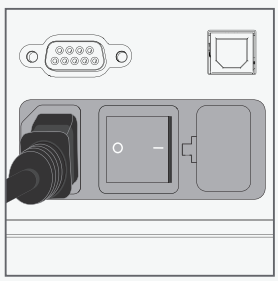
Installation

1. Turn the Instrument On

Plug the power cord into the back of the AQUALAB TDL unit and into an outlet.

Flip the black power switch on the back of the instrument.

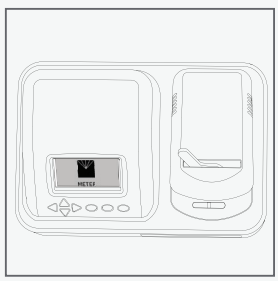
Allow the AQUALAB TDL a warm-up period to ensure accurate readings.



2. Perform Initial Verification

NOTE: When AQUALAB TDL or TDL2 arrives at a new location, a multipoint calibration or calibration offset might be required.

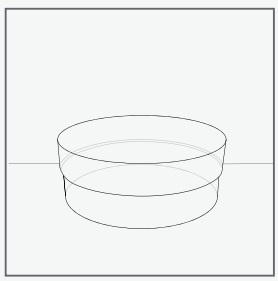
From the given verification standards, choose standards that best represents the product being measured. If the verification does not pass, consult the AQUALAB TDL User Manual to apply an offset or multipoint calibration.



3. Prepare the sample

Fill a sample cup half full, covering the bottom of the cup. **Do not overfill.**

Clean the rim and outside surfaces of the sample cup.



4. Take a Reading

Place the sample cup in the sample chamber.

Close the chamber carefully, and move latch to the READ position to start the measurement. The AQUALAB TDL will beep and display the measurement results when the test is complete.