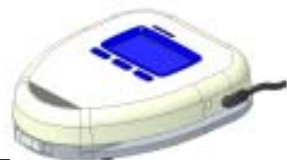# AquaLab LITE Quick Start

I Preparing for Operation
- Use AquaLab LITE on a level surface.
- Use AquaLab LITE where the temperature remains fairly stable.

II Power Adaptor
- Use 9-24V DC or AC Adaptor (>400mA)
- AquaLab LITE automatically turns on when first plugged in.
- Pressing any button will turn AquaLab LITE on.
- AquaLab LITE shuts off by pressing left button from main menu or if idle for more than 15 minutes.
- The following screens will appear on the display:

AquaLab LITE Copyright ©2004-09 Decagon Devices, Inc.

then:

MAIN CONFIG
0.000 a_w
0.0°C

Turns AquaLab LITE off

Starts the water activity measurement

Proceeds to System Menu

III Sample Preparation
1. Fill sample cup no more than half full (~7ml). DO NOT OVERFILL!
2. Minimum sample amount should cover bottom of sample cup (small gaps OK).
3. Ensure the rim and outside of sample cup are clean.
4. Ensure sample temperature is not more than 4°C above the chamber temperature.

IV Sample Insertion
1. Open AquaLab LITE by pushing the latch slide to the right.
2. The top half of the AquaLab LITE will automatically open.
3. Place your prepared sample cup inside the instrument's cup holder.
4. Press down on the front top of the case to seal the cup inside.
5. Press center button to start measurement.
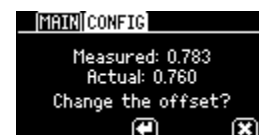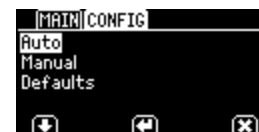

AquaLab LITE Quick Start

V The Menus
- Press the right button to proceed to the system menu.

MAIN CONFIG
Calibrate
Language: English
Contrast
Diagnostics

'Calibrate' Function
- Calibration needs to be verified daily or before each use.
- Decagon's Verification Standards are required for calibration.
- See Chapter 4 of the manual for more details.

MAIN CONFIG
Auto
Manual
Defaults

1. Select calibration solution (0.25, 0.50, 0.76a_w) or "Auto" to automatically determine which calibration solution was inserted. "Defaults" restores factory calibration settings.
2. The word "CAL" will appear after the water activity value.
3. Once the reading is complete, verify salt standards to within ±0.015a_w. Press the middle button to save a new calibration.

MAIN CONFIG
0.369 a_w Cal
22.4°C

MAIN CONFIG
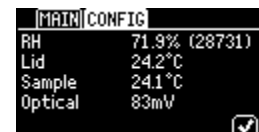Measured: 0.783
Actual: 0.760
Change the offset?

'Language' Function
1. Press the center button when the Language function is highlighted.
2. Press the left button to scroll through options.
3. Press the center button to accept the highlighted language.

MAIN CONFIG
English
Deutsch
Français
Italiano

'Diagnostic' Function
- Press center button when the Diagnostic button is highlighted.
- Reports realtime values of sensors.
- Use for determining thermal equilibrium and troubleshooting.

MAIN CONFIG
RH   71.9% (28731)
Lid   24.2°C
Sample   24.1°C
Optical 83mV

VI Cautions
- Sample temperature >4°C causes error message.
- Do not fill the sample cup more than half full.
- Never tip or move AquaLab LITE with sample loaded.
- Never leave a sample in your AquaLab LITE.