

HYDRO SENSOR

QUICK START GUIDE

AC INFINITY

BEFORE USE

Water and 3M KCL droplets are added during the production of this product to maintain the probes' moisture. This is normal practice and is not indicative of a used product.

The pH and EC probes must NOT be used to measure the following solutions:

pH PROBE

- × High alkaline or salt solutions
- × Low ion solutions such as pure water, drinking water, RO, distilled, or deionized water
- × Hydrofluoric acid solutions
- × Sticky substances or organic solvents

EC PROBE

- × Most organic solutions such as amines, ketones, aromatic hydrocarbons, etc.
- × Solutions with very low conductivity
- × Strong acid, alkali, or oxidizing solutions such as disinfectant, battery waste, etc.
- × Sticky substances

PRODUCT CONTENTS



SENSOR HUB
(x1)



pH SENSOR PROBE
(x1)



EC SENSOR PROBE
(x1)



WOOD SCREWS
(x1)



WIRE TIES
(x3)

PRODUCT CONTENTS



pH 4.0 CALIBRATION
BUFFER SOLUTION
(x1)



pH 7.0 CALIBRATION
BUFFER SOLUTION
(x1)



pH 10.01 CALIBRATION
BUFFER SOLUTION
(x1)



EC 84.0 µS/cm CONDUCTIVITY
CALIBRATION SOLUTION
(x1)



EC 1413 µS/cm CONDUCTIVITY
CALIBRATION SOLUTION
(x1)



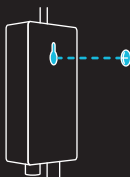
EC 12.88 mS/cm CONDUCTIVITY
CALIBRATION SOLUTION
(x1)

WALL MOUNTING (OPTIONAL)

Secure the anchor into your wall.
Twist the wood screw into the anchor.

Hang your sensor onto the wood
screw using the mounting hole
located on its backside.

**DO NOT allow the sensor hub to
come in contact with any liquids.**

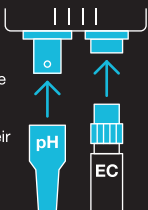


POWERING AND SETUP

STEP 1

Remove the port
caps from the hub.
Align the ports with the
electrode nodes and
plug the pH and EC
sensor probes into their
corresponding ports.

**DO NOT TWIST or
force the plugs in.**



STEP 2

For the EC sensor, use
the fastener to lock the
plug to the electrode.

**DO NOT TWIST the plug.
DO NOT over-tighten.**

**Do not disconnect the sensor probes from the
hub while it is powered by a controller, as this
may damage the sensors.**



POWERING AND SETUP

STEP 3

Plug your sensor hub into a sensor port.



Only one hydro sensor may be used per controller at a time.

BEFORE CALIBRATION

Calibrate your sensor probes before use. Ensure the following before calibration:

pH PROBE

- Shake out any bubbles from the glass probe. Do not knock the probe against any hard surfaces.
- We recommend soaking the probe in your sample solution for 1-2 hours before calibration for more accurate results. Rinse with pure water.
- Ensure the calibration solution is similar in temperature to the sample solution.

EC PROBE

- We recommend rinsing the probe with your sample solution multiple times before calibration for more accurate results. Rinse with pure water.
- Ensure the calibration solution is similar in temperature to the sample solution.

CALIBRATION & PROGRAMMING



AUTO-CALIBRATION

To set up auto-calibration, automations, and alerts, download the AC Infinity app before your first use.

Scan this QR code to view step-by-step calibration instructions.

This Hydro Sensor is only compatible with specific controller models. Please visit our website for more information.



MAINTENANCE



REGULAR STORAGE

Ensure the probe stays moist by placing the probe head into the probe bottle when not in use.

LONG-TERM STORAGE

For the pH sensor, add a few drops of 3M KCL solution (not included) to keep the probe moist. For the EC sensor, add a few drops of pure water to keep the sponge moist.

DO NOT store the pH probe in pure water like tap, RO, distilled, or deionized water. Doing so may damage the probe. If stored in this manner, immediately soak the probe in 3M KCL solution overnight, then recalibrate it before next use. Pure water can be used to rinse the probes.

MAINTENANCE

RINSING THE PROBE

Rinse off the probe with pure water before and after each test to ensure accurate readings.



REMOVING CONTAMINANTS

Gently stir the probe in a cup of cleaning solution or mild detergent water. Use a soft brush (not included) to remove the contaminants.

Rinse well with pure water to remove all traces of the detergent mixture.

Calibrate before next use.

Do not scratch or damage the glass probe. Use caution when cleaning.



After cleaning, allow probes to sit in their solution bottles for about 3 hours before reuse.

MANUAL CODE HDS2507X2

COPYRIGHT © 2025 AC INFINITY INC. ALL RIGHTS RESERVED

No part of the materials including graphics or logos available in this booklet may be copied, photocopied, reproduced, translated or reduced to any electronic medium or machine-readable form, in whole or in part, without specific permission from AC Infinity Inc.