

## HM Digital Water Tester (AP-2)

Thank you for purchasing HM Digital's **AquaPro** digital water tester (model AP-2).

The AP-2 is an easy-to-use digital meter that measures Electrical Conductivity (EC), a key indicator of overall water purity.

### USE THE AP-2 TO:

- Check the performance of your water filter.
- Be sure your drinking water is at the right conductivity level.
- Check nutrient levels in water for plants and fish.
- Test your pool or spa.
- Measure EC levels for other applications.

### FEATURES

**Wide Range:** Accommodates most applications.

**Auto Shut-Off:** Shuts off automatically after 5 minutes to conserve batteries.

**Large Screen:** Easy to see and share.

**Hold Function:** View the reading out of the water.

**Thermometer:** Measures temperature (°C/°F)

**Carrying Case:** Protects your meter!

**Auto-off, data hold and magnetic housing**

### SPECIFICATIONS

**EC Range:** 0-9999  $\mu\text{S}/\text{cm}$

**Resolution:** 1  $\mu\text{S}$

**Temperature Range:** 0-80°C; 32-176°F

**ACC:** Yes (0-80°C)

**Accuracy:** +/- 2% (of the reading)

**Calibration:** Factory calibrated to 1413  $\mu\text{S}$ ; adjustable.

**Power:** 1 x 3V button cell (CR2032)

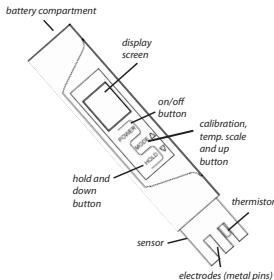
**Battery Life:** Approx. 2 years

**Dimensions:** 15 x 2.8 x 1.3 cm (5.9 x 1.1 x 0.5 in.)

**Weight:** 42.5 g (1.5 oz) (without case)

For more information on this product, visit:  
<http://www.tdsmeter.com/products/ap2.html>

### USAGE INSTRUCTIONS



#### Taking EC Measurements

1. Remove the protective cap.
2. Turn the meter on. The POWER switch is located on the panel.
3. Immerse the meter into the water/solution up to the maximum immersion level (2").
4. Lightly stir the meter to dislodge any air bubbles.
5. Wait until the display stabilizes. Once the reading stabilizes (approx. 10 seconds), press the HOLD button to view the reading out of the water.
6. After usage, shake off any excess water from your meter. Replace the cap.
7. When not in use, stick on your refrigerator (it's magnetic).

#### Switching Temperature Modes

1. The temperature will always be displayed on the screen.
2. To switch from Fahrenheit (°F) to Celsius (°C) and back, press the MODE button once. This will toggle between the two temperature scales.

#### Changing the Batteries

1. Remove the battery compartment. It may be tight.
2. Install a new battery (model CR2032). Be sure the battery is properly aligned. The positive side should face forward.
3. Replace the battery compartment.

#### Precautions

1. The meter is not water-tight. Do not submerge the meter. The warranty will be voided if water enters the unit.
2. Do not store the meter in high temperatures or direct sunlight. Damage to the unit caused by user error or carelessness will void the warranty.
3. Do not attempt to open the housing or tinker with the electronics of the unit. Any unauthorized work on the unit will void the warranty.
4. Though durable, the AP-2 is an electronic instrument and should be treated with proper care and maintenance.

### CALIBRATION

Your meter has been factory calibrated to a KCl 1413  $\mu\text{S}$  solution. This is sufficient for most applications. If you are unsure about calibration, or whether or not you need to do so, consult a professional.

*Do not switch the AP-2 into calibration mode, unless you are certain you need to re-calibrate the meter. If you accidentally enter calibration mode, turn the meter off immediately to cancel the operation, so that you do not risk calibrating the meter to zero.*

Before attempting to calibrate the AP-2, make sure to have a certified bottle of KCl or NaCl calibration solution. Any brand will work. Never calibrate the meter to distilled or de-ionized water (below 2 ppm)

For more information and complete calibration instructions, please visit:  
[www.hmdigital.com/calibration\\_maintenance.html](http://www.hmdigital.com/calibration_maintenance.html)

### TWO YEAR WARRANTY

This product is warranted to the purchaser against material and workmanship for two (2) years from date of purchase.

#### What is covered:

Parts and labor, or replacement at the company's option. Transportation charges to the purchaser.

#### What is not covered:

Transportation charges to the company. Damages from abuse or improper maintenance (see operating instructions and precautions). Any other consequential damages, incidental damages or incidental expenses, including damages to property. Some states do not allow exclusive or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

#### How to obtain warranty performance:

Include with the product your name, address, phone number, description of problem, proof of date of purchase, company purchased from, and return to:

HM Digital, Inc.  
ATTN: Returns  
5819 Uplander Way  
Culver City, CA 90230, U.S.A.

#### Implied Warranties:

Any implied warranties, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to two (2) year from date of purchase. Some states do not allow limitation on an implied warranty length, so the above limitation may not apply to you.

To the extent any provision of this warranty is prohibited by law and cannot be preempted, it shall not be applicable. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.