



HM Digital, Inc.

AP-2 Calibration Instructions

The AP-2 is factory calibrated to 1413 μS (micro-Siemens). This means that it is ready for use right out of the box for the majority of applications, including aquariums, hydroponics and other high conductivity applications. However, as with all instruments, it may need to be tuned (aka calibrated) once in a while. Or, you may wish to re-calibrate the meter for certain testing applications.

With normal usage and care, the AP-2 will retain its calibration for 1-2 years. You can determine if the AP-2 needs to be re-calibrated if you believe the readings are incorrect, or by testing the meter with a certified calibration solution (available from most HM Digital distributors).

If you are using the AP-2 to test water or solutions that are much lower or higher than 1413 μS , it is suggested that you re-calibrate to a point closer to what you are testing for best results.

NOTE: If you are unsure about calibration, consult a professional. Also, do not switch the meter 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.

1. Before attempting to re-calibrate the AP-2, make sure to have a certified bottle of calibration solution. Any brand will work. Never calibrate the meter to distilled or de-ionized water (below 2 μS).
2. Press the POWER button to turn the meter on. Dip the meter into the calibration solution. If the reading matches the TDS value of the calibration solution level, then you do not need to re-calibrate the meter.
3. If the reading does not match the calibration solution, press and hold the MODE button for four seconds. The temperature reading will switch to "CAL."
4. Change the reading so that it matches the calibration solution. Raise the reading by pressing the UP (MODE) button. Lower the reading by pressing the DOWN (HOLD) button.
5. Once the reading matches the calibration solution level, press and hold the MODE button again for four seconds until the temperature appears again. Your meter is now calibrated.

