

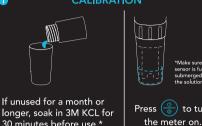


- 1. Press to turn on; hold for longer to turn off.
- 2. When powered off, hold to enter SETTINGS.
- 3. Once in settings, hold to return to MEASUREMENT mode. 4. In MEASUREMENT mode, press to turn backlight on/off.

Press to switch MEASUREMENT modes: AC-PHM5:  $pH \rightarrow ORP$  AC-PHM7:  $pH \rightarrow Cond \rightarrow TDS \rightarrow Sal$ 

- 1. Hold to enter CALIBRATION mode. Press to finish calibrating or confirm settings.
- Press to unlock your screen when your reading automatically locks.

# **CALIBRATION**





Rinse the probe in distilled or deionized water and shake off excess water. 1

> • White sediment found around the probe is normal before your first use and can be rinsed off the probe. Meter performance will not be affected.

### 1<sup>ST</sup> CALIBRATION POINT

Pour the calibration solution into the calibration vial up to the halfway point.

Hold (CAL) to calibrate.

Press ( to exit.

- pH: 7.00 pH solution.
- Cond (AC-PHM7 only): 1413 µS/cm or  $84 \mu S/cm$  solution.



30 minutes before use.\*



Stir the probe in the calibration solution then let it stand still. When ( ) appears on the screen, press to complete calibration.

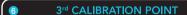
• Pressing (CAL) before (CAL) appears on your screen will cause "Er2" to appear. To fix this, wait for 🙂 to appear and remain onscreen, then press (CAL) to complete the calibration.

#### 2<sup>nd</sup> CALIBRATION POINT 6

Perform your 2<sup>nd</sup> calibration point after the 1<sup>st</sup> calibration point has been completed. Do NOT turn off the meter in between this process.

pH: In 4.00 pH solution, repeat steps 2-4.

Cond (AC-PHM7 only): In 1413 µS/cm or 12.88 mS/cm solution, repeat steps 2-4.



Perform your 3<sup>rd</sup> calibration point after the 2<sup>nd</sup> calibration point has been completed. Do NOT turn off the meter in between this process.

pH (AC-PHM5 only): In 10.01 pH solution, repeat steps 2-4. Cond (AC-PHM7 only): In 12.88 mS/cm solution,

- repeat steps 2-4. • The 1st point of pH calibration must be 7.00 or 6.86 pH.
- The 1st point of conductivity calibration can be 84  $\mu$ S, 1413  $\mu$ S, or 12.88 mS. Start from low to high to avoid cross-contamination.



### **MEASUREMENT**

Press  $\stackrel{0}{\Longrightarrow}$  to turn the meter on.

Rinse the probe in distilled or deionized water and shake off excess water.



Stir the probe in the sample solution then let it stand still. Take the reading after ( appears on the screen or if the reading has automatically locked (P4 will need to be turned on).



Hold ( to power off. Rinse the probe in distilled water. Place the cap atop the probe.

 Prior to storage, add several drops of 3M KCL into the probe cap to maintain the probe's sensitivity.

SETUP: When the meter is turned off, hold ③ to enter SETTINGS. → Press ⑤ to select P1-P2. → Press ⑤ to confirm your selection. → Press ⑥ to confirm the changes. → Hold ⑥ to return to the MEASUREMENT mode.

	AC-PHM5	АС-РНМ7		
P1	Select pH standard series (USA - NIST)	Select pH standard series (USA - NIST)		
P2	Low reading alarm (0 - 14.00 pH)	Select automatic lock (Off - On)		
Р3	High reading alarm (0 - 14.00 pH)	Select backlight (Off - 1 - On)		
P4	Select automatic lock (Off - On)	Select temperature coefficient (0.00 - 4.00%)		
P5	Select backlight (Off - 1 - On)	Select TDS factor (0.40 - 1.00)		
P6	Select temperature unit (°C - °F)	Select salinity unit (ppt - g/L)		
P7	Restore to factory default (No - Yes)	Select temperature unit (°C - °F)		
P8	N/A	Restore to factory default (No - Yes)		

## **INSTRUCTION:**

The blue-colored text is the factory default value; pH measuring alarm: default minimum value 0.00 pH and maximum value 14.00 pH on alarm; Select backlight: "Off" is always off, "On" is always on, "1" means factory defaults to 1 minute; default value of TDS factor is 0.71; default value of temperature coefficient is 2.00%.

MODEL	RANGE	RESOLUTION	ACCURACY	CALIBRATION	CALIBRATION SOLUTION	ATC	FUNCTION
АС-РНМ5	pH: -2.00 - 16.00 pH mV: ±1000 mV Temp: 32 - 122°F	0.01 pH 1mV 32.18°F	±0.01 pH ±0.2% F.S ±32.9°F	1-3 points	1.68 / 4.00 / 7.00 / 10.01 / 12.45 pH	32 - 122°F	1-6. Refer to below 7. pH high/low reading alarm (red backlight displays)
АС-РНМ7	pH: -2.00 - 16.00 pH Cond: 0.1 µS - 20.00 mS TDS: 0.1 ppm - 10.00 ppt Sal: 0 - 10.00 ppt, Temp: 32 - 122°F	0.01 pH 0.1/1 µS, 0.01 mS; 0.1/1 ppm, 0.01 ppt; 32.18°F	±0.01 pH ±1% F.S ±32.9°F	1-3 points	1.68 / 4.00 / 7.00 / 10.01 / 12.45 pH 84/1413 μS / 12.88 mS	32 - 122°F	1. Indication of calibration point: (L) (M) (E) 2. Measuring stability indication: (E) 3. Automatic lock indication: HOLD 4. Self-diagnosis information: Er1, Er2 5. Low voltage alarm: (I) flashing 6. Auto-Off in 8 minutes of no operation