10. Warranty

OAKTON warrants this meter to be free from significant deviations in material and workmanship for a period of three years from date of purchase. If repair or adjustment is necessary and has not been the result of abuse or misuse within the warrantied time period, please return—freight prepaid—and correction will be made without charge. OAKTON alone will determine if the product problem is due to deviations or customer misuse.

Out-of-warranty products will be repaired on a charge basis.

11. Return of items

Authorization must be obtained from your OAKTON distributor before returning items for any reason. When applying for authorization, please include data regarding the reason the items are to be returned. For your protection, items must be carefully packed to prevent damage in shipment and insured against possible damage or loss. We will not be responsible for damage resulting from careless or insufficient packing. A restocking charge will be made on all unauthorized returns.

NOTE: We reserve the right to make improvements in design, construction, and appearance of products without notice.

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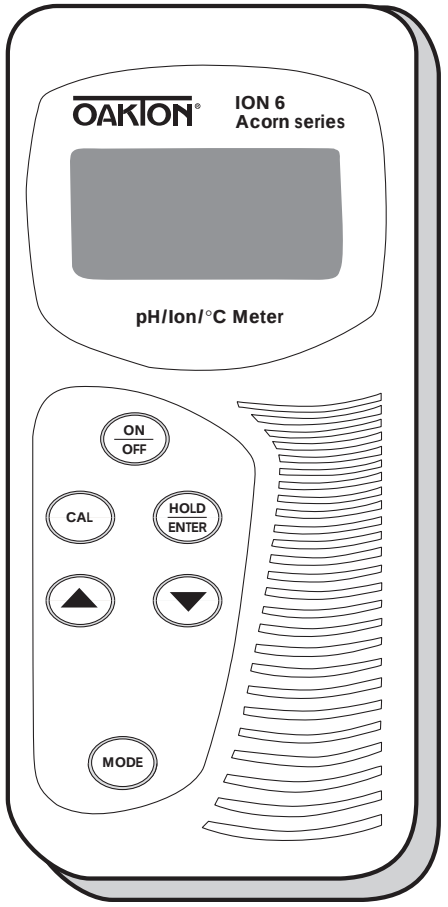
OAKTON®

OPERATING INSTRUCTIONS

OAKTON WD-35613-21, -30, -31, -33

ION 5 and ION 6 Acorn Series Meters



Printed in the U.S.A. 8/99

OAKTON®

Table of Contents

1. Introduction

Thank you for purchasing an OAKTON® ION Acorn Meter. These economical, microprocessor-based meters measure the ion concentration of various ions (mono and divalent).

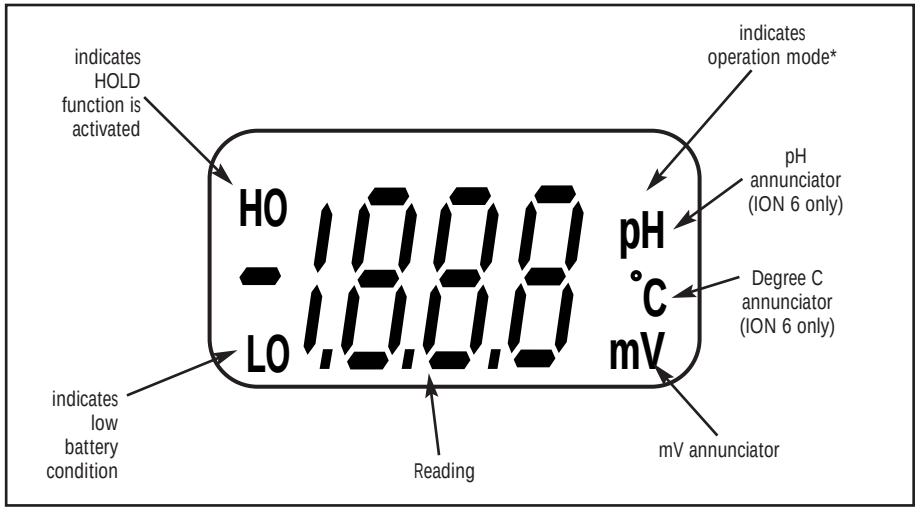
The Acorn ION meters feature:

- Large LCD for clear and easy reading
- ION 5 meter allows ion and mV measurement
- ION 6 series meters allows ion, pH, mV, and temperature (°C) measurement

This instruction manual is organized for easy reference. For basic functions of this meter, read sections 2 through 5. These sections include basic instructions that will get you up and running quickly. The remaining sections of this manual (6 through 11) deal with electrode maintenance, error messages and troubleshooting. This part of the manual also includes the Specifications, Accessories, Warranty and Return of Items section.

2. Display and Keypad Functions

The Acorn has a large custom LCD with the following indicators:



*No unit annunciator is displayed when in ion concentration mode

The OAKTON Acorn meter has six keys on its splashproof keypad. These keys are ON / OFF, CAL, HOLD / ENTER, ▲ (UP), ▼ (DOWN) and MODE.

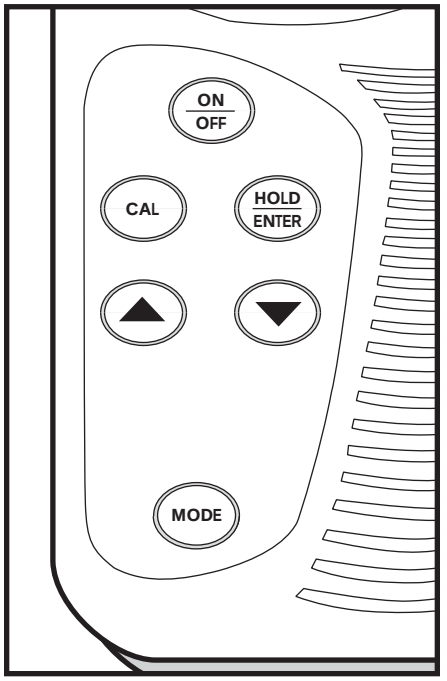
ON/OFF: Powers meter on and shuts unit off. Meter directly enters measurement mode when you turn it on.

CAL: Allows calibration of the meter for Ion, pH, and Temperature

HOLD/ENTER: Freezes the measured reading; confirms calibration value.

▲ (UP) and ▼ (DOWN): Scrolls up or down to the values you want for calibration.

MODE: Selects the parameter of measurement: Ion, mV, pH (ION 6 series only) and temperature (ION 6 series only).



3. Preparation

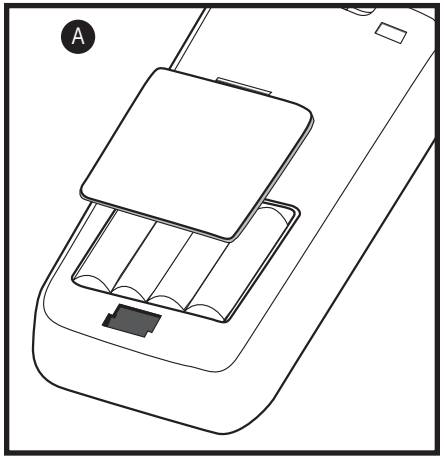
3.1 Inserting the batteries

The battery compartment is found at the back of the instrument. To open the battery compartment, push the lid up.

See figure A

Note the polarity of battery before inserting the batteries into position. After replacement, place the cover back into its position and press down until it locks tight.

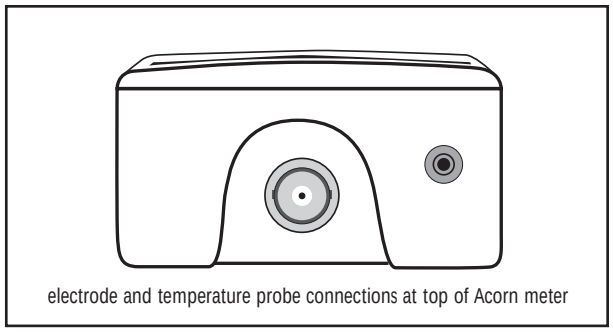
A "LO" annunciator in the LCD alerts you when battery power is running low. Replace batteries with a fresh set as soon as possible.



3.2 Connecting your Electrode

To connect the Acorn meter to your electrode, align the post of the meter's connector with the slots on the electrode's connector, push together and twist the electrode connector 1/2 turn until it clicks into place. To remove, simply rotate the connector counter-clockwise until it unlocks, and slide the connector off the socket.

ION 6 meter only: Insert the phono jack of the temperature sensor into the socket on the meter. Unplug the phono jack when not in use.



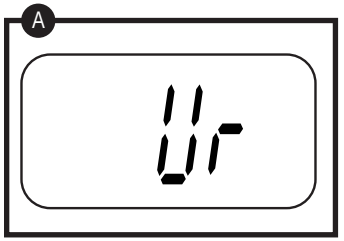
electrode and temperature probe connections at top of Acorn meter

3.3 Switching the meter on

Press the ON/OFF key to power up your meter. All the LCD segments display for a few seconds as the meter goes through a self-diagnostic test. The LCD then switches into ion measurement mode.

If the LCD then displays "Ur", the electrode and/or temperature sensor may be faulty, or there may be an open circuit.

See figure A



See page 17 for more troubleshooting information.

4. Calibration

4.1 Ion calibration

This instrument is capable of up to three-point ion calibration. Calibration values are 0.1, 1.0, 10.0 or 100.0. You must calibrate to at least two points. All calibration points should be one decade apart. For example you may perform three point calibration to 0.1, 1.0 and 10.0, or two point calibration to 10.0 and 100.0. Do NOT perform two-point calibration to 1.0 and 100.0 (meter will display “Er4”). For best accuracy, calibrate your meter to points with similar concentrations to the solutions you want to test.

Before you begin calibration, you must know whether the ion you are measuring is mono or divalent. If you are uncertain, consult your ISE electrode manual, or your OAKTON distributor.

1. Prepare at least two calibration standards in accordance with the electrode instructions or your approved methods. For best results, make sure standards and samples are at the same temperature

2. Turn meter on. The ION 5 meter will automatically enter the ion measurement mode.

   See figure A

3. Dip electrode into the first calibration standard. Make sure to start with the calibration standard that has the lowest concentration and move up to the standards that have higher concentrations.

4. Press CAL key to enter calibration mode. The display will show CA1.

   See figure B

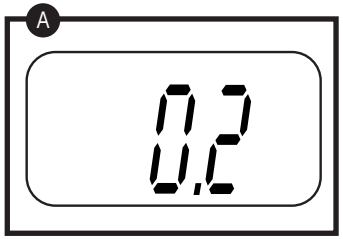
   If you are measuring monovalent ions, press ENTER to begin calibration.

   If you are measuring divalent ions, press MODE. The display will show CA2.
   Press ENTER to begin calibration

   See figure C

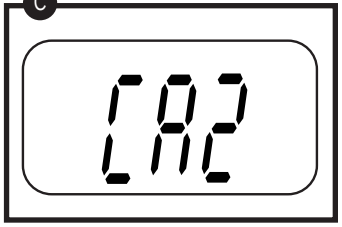
5. The first calibration point to appear is 0.1 ppm. If you do NOT wish to calibrate to this point, press ▲ (up arrow) to skip, and continue on to the next calibration point.

A



B

C



6. If you DO wish to calibrate to this point, press the ENTER key. The meter will display the mV output of your electrode in the standard solution. Allow the instrument to stabilize. Stabilization may take a few minutes depending on electrode and standard concentration. Electrode response in low concentrations is much slower than response in high concentrations.

7. Press ENTER to confirm your calibration. The meter will move on to the next standard (1.0 ppm).

8. Follow steps 5-7 for each of the next calibration points. Make sure to rinse off the electrode with deionized water before placing it in the next calibration standard.

9. After you have entered three calibration points, the meter will display the average electrode slope in mV.

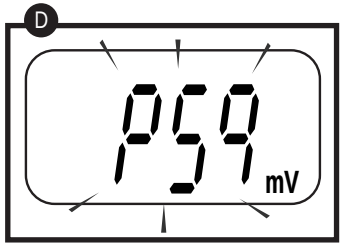
   See figure D

   You may compare this reading with the expected slope value for your electrode from your electrode manual to verify electrode operation.

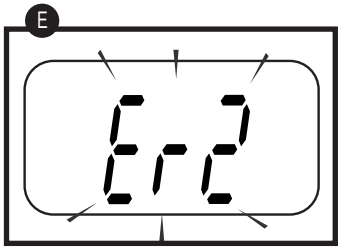
   If you are only calibrating to two points, you will need to press the ▲ (up arrow) key until the slope is displayed.

   If you want to leave the calibration mode for any reason, press the CAL key to exit the calibration mode. The meter will revert back to the earlier calibration curve.

D



E



You must calibrate to at least two points in order for calibration to take effect. If you only confirm the one calibration point, the meter will display “Er2” when you exit calibration mode, and the meter will revert back to the earlier calibration curve.

See figure E

4.2 pH buffer set selection (ION 6 meter only)

The ION 6 meter is capable of up to three-point pH calibration to ensure accuracy across the entire range of the meter. The ION 6 meter can be set to recognize either of two buffer sets: USA or NIST buffers.

USA—"USA": 4.01; 7.00 and 10.01

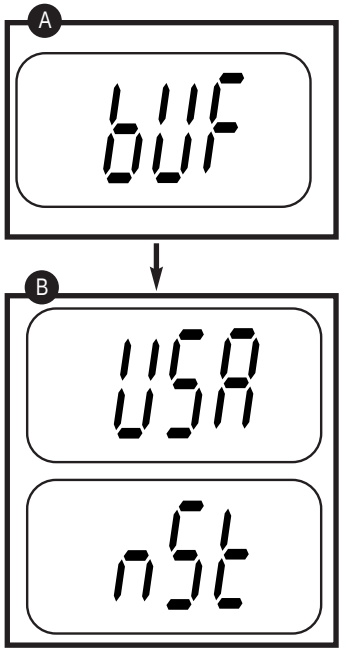
NIST–"nSt": 4.01, 6.86, and 9.18

To choose your buffer set:

1. Turn meter **OFF.** Meter must be **OFF** in order to access buffer selection.
2. While holding down the MODE key, press the ON/OFF key momentarily. Continue to hold the MODE key until the display flashes "buF".

   See figure A
3. Press the ENTER key to enter buffer set selection mode. The display will flash "USA"

   See figure B
4. Press the MODE key to toggle between the available buffer sets. The display will flash "USA" or "nSt" as you toggle between the sets
5. Press ENTER key to confirm the buffer set you wish to use. Proceed with calibration in section 4.3



4.3 pH calibration (ION 6 meter only)

We recommend you perform at least a 2-point calibration at room temperature using standard buffers that bracket (one above and one below) the expected sample range. You can also perform a 1-point calibration, but make sure that the buffer value is close to the sample value you are measuring.

All new calibrations will over-ride existing data.

NOTE: **Do not reuse buffer solutions after calibration.** Contaminants in the solution can affect the calibration, and the accuracy of the measurements.

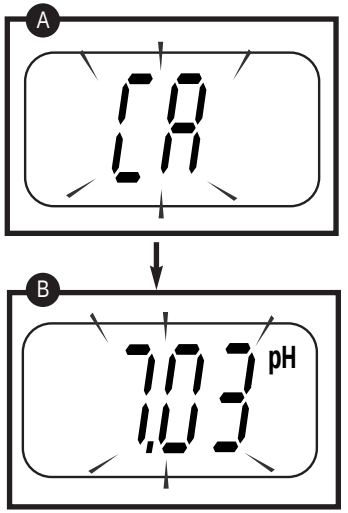
Before use: remove the electrode soaker bottle. If the electrode has been stored dry, condition the glass bulb by soaking it in tap water for 30 minutes. This hydrates the glass bulb if the electrode is too dry, or has not been used for a long period of time.

1. Turn meter on. Meter will automatically enter ion measurement mode. Press the MODE key until display shows "pH" in the upper right corner.
2. Rinse electrode thoroughly with deionized water or a rinse solution. **DO NOT wipe the electrode;** this causes a build-up of electrostatic charge on the glass surface.
3. Dip both the electrode and temperature sensor into pH 7.00 (or 6.86 in NIST set) buffer solution. The glass bulb must be completely immersed into the sample. Stir gently, and wait for reading to stabilize (approximately 40 seconds).
4. Press CAL key to enter the calibration mode. The display will momentarily flash "CA" to indicate CAlibration.

   See figure A

   The display will then show the current noncalibrated reading, blinking while in calibration mode.

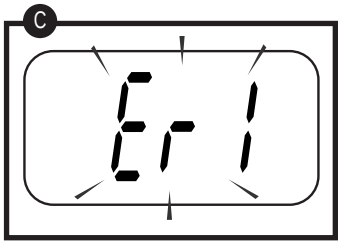
   See figure B
5. Allow the reading to stabilize. The meter automatically recognizes 7.00, 4.01 or 10.00 buffers (or 4.01; 6.86 and 9.18 in NIST set).
6. Press ENTER key once to confirm calibration. The LCD displays "CO" to indicate the calibration point has been confirmed. The meter exits calibration mode and returns to measurement mode.
7. Repeat with pH buffers 4.01 and/or 10.00 (or 6.86/9.18) for best accuracy.



NOTE: This meter has automatic buffer recognition which identifies the correct pH buffer values during calibration. If buffers other than 4.01, 7.00 or 10.00 are used, or the electrode has worn out, the LCD will flash "Er1".

See figure C

Press CAL key to clear.

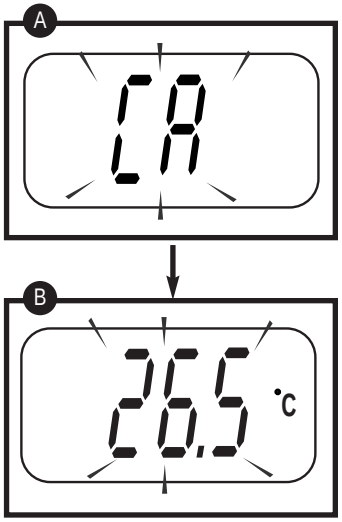


4.4 Temperature calibration (ION 6 meter only)

The temperature sensor included with your meter is factory calibrated. Over time, the temperature calibration may drift and require recalibration. If you replace the probe you should calibrate temperature prior to pH calibration.

1. Connect your temperature probe to the meter.
2. Press the MODE key until "°C" appears in the LCD.
3. Compare displayed value to a NIST certified thermometer or other thermometer known to be accurate. For best accuracy, place probe and thermometer in a constant temperature bath.
4. Press the CAL key. The LCD shows "CA" and the reading flashes.

   See figures A B
5. Use the ▲ and ▼ keys to adjust the temperature shown to match the accurate temperature (maximum adjustment is ±5°C from factory default).
6. Press ENTER key to confirm calibration. The LCD displays "CO", and the meter then reverts to measurement mode.



4.5 Resetting calibrated values to default values

When you calibrate the pH mode of the Ion 6 meter, old pH calibration data is written over on a point by point basis. If when recalibrating you do not calibrate at all three points, the old data may result in errors. You can reset the meter to factory calibration values using the following procedure.

1. **TURN METER OFF.** Meter must be **OFF** in order to reset calibration values.
2. Press and hold the CAL key while switching on the meter using the ON key. Hold the CAL key until the display shows "rSt".
3. Press ENTER key to confirm. The meter automatically clears all stored pH calibration values and reverts to Ion measurement mode.

Press MODE key instead of ENTER if you do not wish to reset. Meter will maintain current calibration values and return to the Ion measurement mode.

5. Measurement

5.1 Measuring Ion Concentration

1. Switch on meter. The ION 5 and ION 6 meters will automatically enter the ion measurement mode. No annunciator will appear.

   See figure A

2. Prepare samples as necessary (i.e., add Ionic Strength adjuster). Sample preparation varies depending on ion type—see your electrode manual for details on the specific electrode that you are using.

3. Dip electrode into the sample. The sensor or glass bulb of the electrode must be completely immersed into the sample. For best results, use a magnetic stirrer to ensure a homogenous sample.

4. Wait for reading to stabilize. Note reading.

ION TIP: Concentration readings are not temperature compensated. Try to avoid temperature fluctuations in your standards and samples.

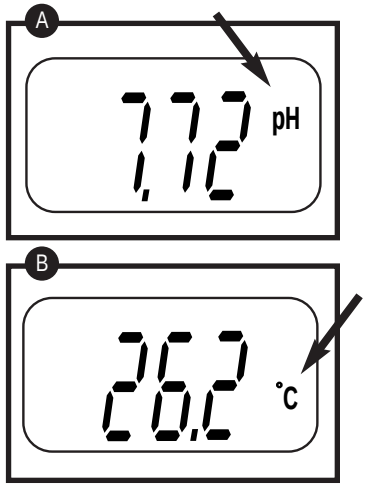
5.2 Measuring mV

The mV mode is provided to allow you to check performance and calibration of your ion selective electrode.

To verify electrode operation, check mV reading in calibration standards one decade apart in value (i.e.: 1 ppm; 10 ppm). Use the MODE key to toggle between ion and mV measurement (ION 6 meter MODE key switches between pH, temperature, ion and mV).

Consult your electrode manual for expected mV (slope) value. If your actual mV readings are not within expected values as stated in your electrode manual, you may need to recondition or replace your electrode.

5.3 Measuring pH and temperature (ION 6 meter only)



The Acorn ION 6 meter also takes readings in pH and temperature.

1. Rinse both electrode and temperature sensor with distilled water.

2. Turn meter on. ION 6 meter automatically enters ion measurement mode. Press MODE key until meter enters pH measurement mode. pH annunciator will appear in the upper right corner of the LCD.

   See figure A

3. Dip electrode and temperature sensor approximately 1" to 2" into sample. Stir gently and wait for display to stabilize. Note pH reading.

4. Press MODE key to see your temperature reading. °C annunciator will appear in the lower right corner of the LCD.

   See figure B

5.4 Measuring pH with manual temperature compensation

When no temperature probe is connected, the meter will compensate based on a manually entered temperature value. The factory default setting is 25°C (no temperature compensation). You can compensate for temperature manually by entering the temperature of your solution using the procedure below.

1. Press the MODE key until "°C" shows in the display to enter Temperature mode.

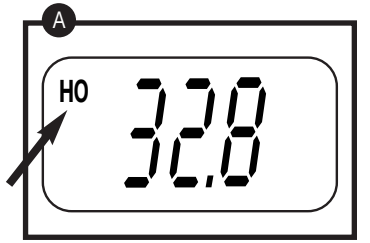
2. Check the temperature of your solution using an NIST-certified thermometer or other thermometer known to be accurate

3. Press CAL key to enter temperature calibration mode. The display shows "CA" momentarily and the displayed reading flashes. Use the ▲ and ▼ keys to match the displayed value to the temperature of your solution.

4. Press ENTER key.

5. Press MODE key to return to pH measurement mode.

5.5 Hold function



To freeze your reading, press the HOLD key once. The LCD show "HO" to indicate the HOLD function is activated. See figure A

Press HOLD key again to deactivate the HOLD function and return to measurement mode.

6. Electrode care and maintenance

6.1 Ion selective electrode care

For Ion Selective Electrode care, consult the instruction manual included with your electrode.

6.2 pH electrode care (ION 6 meter only)

Storage

For best results, keep the pH bulb wet. Store the pH bulb in the electrode soaker bottle filled with electrode storage solution. Or you can store the electrode in a pH 4 buffer with 1/100 part saturated KCl. Other pH buffers are also suitable for storage. **NEVER use deionized water for storage.**

After measuring

1. Rinse the pH electrode and reference junction in deionized water.
2. Store the electrode as recommended in "Storage" or as recommended by the manufacturer.

pH electrode cleaning

Because your pH electrode is susceptible to dirt and contamination, clean it every one to three months depending on extent and condition of use.

Clean the electrode in a mild detergent solution. Wipe the probe with a soft tissue paper. Avoid touching the glass membrane with your fingers. Wash thoroughly in tap water and then in distilled water. Recalibrate your meter after cleaning the electrode.

Special Cleaning Tips

Salt deposit: dissolve the deposit by immersing the pH electrode in tap water for ten to fifteen minutes. Then thoroughly rinse with distilled water.

Oil/grease film: wash electrode pH bulb gently in detergent solution. Rinse electrode tip with distilled water.

Clogged reference junction: heat a diluted KCl solution for 60-80°C. Place the sensing part of the pH electrode into the heated solution for about 10 minutes. Allow the electrode to cool in some unheated KCl solution.

Protein deposits: prepare a 1% pepsin solution in 0.1M of HCl. Set the pH electrode in the solution for five to ten minutes. Rinse the electrode with distilled water.

7. Troubleshooting

Problem	Cause	Solution
"Ur" or "Or" on LCD	measurement over (Or) or Under (Ur) range.	—
	Bad electrode	Change electrode
	Bad temperature sensor	Change temperature sensor
Er1 flashes on LCD (ION 6 meter only)	Wrong or contaminated buffer used during calibration	Use fresh buffer solution: pH 4.01, 7.00, or 10.00
	Bad electrode	Change electrode
Er2 flashes on LCD	Ion calibration mode exited before completing two-point calibration	perform ion calibration to at least two points
Er3 flashes on LCD	Slope of ion selective electrode lower than 40 mV/decade (mono valence) or 15 mV/decade (di valence)	Recondition or replace ion selective electrode
Er4 flashes on LCD	Calibration values more than one decade apart	Recalibrate with standards one decade apart
LO annunciator on LCD	Low battery	Replace batteries with fresh set
No display	Batteries not in place	Insert batteries
	Batteries not in correct polarity (+ and -)	Re-insert batteries with correct polarity
Unstable reading	Weak batteries	Replace batteries
	Electrode not deep enough in sample	Place electrode deeper in sample
	Insufficient reference electrolyte in electrode	Fill electrode with reference electrolyte (if electrode is refillable); replace electrode.
	Broken electrode	Replace electrode
	External "noises" or induction caused by by nearby electric motor	Remove or switch off interfering motor
	Dirty electrode	Clean electrode
Slow response	Dirty electrode	Clean electrode

8. Specifications

Mode	Ion	Temperature	mV	pH (ION 6 only)
Range	0.1 to 1999 ppm	0.00 to 100°C	-500 to +500 mV	0.0 to 14.00 pH
Resolution	0.1 ppm from 0.1 ppm-199.9 ppm 1 ppm from 200-1999 ppm	0.1°C	0.1 mV, ±199.9 mV; 1 mV outside this range	0.01 pH
Accuracy	±0.5% of reading	±0.5°C	±0.2 mV, from ±199.9 mV; ±2 mV outside this range	±0.01 pH
Calibration	2 to 3 points: 0.1, 1, 10, 100 ppm (minimum 2 pts)	Offset ±5°C	not available	up to 3 points (push button)

Minimum slope during ion calibration: 40 mV / decade for monovalent ions; 15 mV / decade for divalent ions

pH slope range: 80% to 120%

Auto buffer recognition: pH 4.01; 7.00; 10.01 (or 4.01; 6.86; 9.18)

Display: Single line LCD

Inputs: BNC, phono jack

Auto shutoff: after 17 minutes

Hold Function indicator: HO

Error Message display: Er

Low battery indication: LO

Temperature Compensation: Automatic (ATC), 0.0 to 50.0°C

Operating temperature: 0 to 50°C

Power: 4 x AAA Alkaline batteries (>200 hours)

Dimensions: Meter only: 5.5" x 2.7" x 1.3" (14 x 7 x 3.5 cm); Boxed: 9.25" x 6.5" x 3" (23.5 x 16.5 x 7.6 cm)

Weight: Meter only: 0.5 lb (210 g); Boxed: 1 lb (420 g)

9. Accessories

WD-35613-21 Additional ION 5 Series Acorn Meter (Ion / mV). Shpg wt. 1 lb (460 g).

WD-35613-30 Additional ION 6 Series Acorn Meter (Ion / pH / mV / °C) with pH electrode and temperature probe. Shpg wt. 1 lb (460 g).

WD-35613-31 Additional ION 6 Series Acorn Meter (Ion / pH / mV / °C). Shpg wt. 1 lb (460 g).

WD-35613-33 Additional ION 6 Series Acorn Meter (Ion / pH / mV / °C) with All-in-One combination pH electrode / temperature probe. Shpg wt. 1 lb (460 g).

WD-35606-80 Protective Rubber Boot, encases meter in sturdy rubber to protect it from drops and dings. Also features meter stand for convenient tabletop use. Shpg wt 0.5 lb (230 g).

Ion selective electrodes and solution kits

WD-35802-00 Ammonia ion selective electrode, includes 15 ml of reference electrolyte and a filling pipette. Shpg wt 0.5 lb (230 g).

WD-35812-50 Ammonia ion selective solution kit, includes 500 ml Ion Strength Adjuster, 475 ml calibration standard, 60 ml reference electrolyte, syringe dispenser and 20 replacement sensing membranes. Shpg wt. 1 lb (460 g).

WD-35812-02 Ammonium ion selective electrode, includes 15 ml of reference electrolyte and a filling pipette. Shpg wt 0.5 lb (230 g).

WD-35812-52 Ammonium ion selective solution kit, includes 475 ml Ion Strength Adjuster, 475 ml calibration standard, 60 ml reference electrolyte, and syringe dispenser. Shpg wt. 1 lb (460 g).

WD-35812-12 Chloride ion selective electrode, includes 15 ml of reference electrolyte and a filling pipette. Shpg wt 0.5 lb (230 g).

WD-35812-63 Chloride ion selective solution kit, includes 475 ml Ion Strength Adjuster, 475 ml calibration standard, 60 ml reference electrolyte, syringe dispenser, and sensor polishing strips. Shpg wt. 1 lb (460 g).

WD-35812-18 Fluoride ion selective electrode, includes 15 ml of reference electrolyte and a filling pipette. Shpg wt 0.5 lb (230 g).

WD-35812-69 Fluoride ion selective solution kit, includes 1 gallon Ion Strength Adjuster, 475 ml calibration standard, 60 ml reference electrolyte, syringe dispenser, and sensor polishing strips. Shpg wt. 1 lb (460 g).

WD-35812-30 Nitrate ion selective electrode, includes 15 ml of reference electrolyte and a filling pipette. Shpg wt 0.5 lb (230 g).

WD-35812-79 Nitrate ion selective solution kit, includes 475 ml Ion Strength Adjuster, 475 ml calibration standard, 60 ml reference electrolyte, and syringe dispenser. Shpg wt. 1 lb (460 g).

WD-35812-42 Sodium ion selective electrode, includes 15 ml of reference electrolyte and a filling pipette. Shpg wt 0.5 lb (230 g).

WD-35812-93 Sodium ion selective solution kit, includes 475 ml Ion Strength Adjuster, 475 ml calibration standard, 60 ml reference electrolyte, and syringe dispenser. Shpg wt. 1 lb (460 g).

WD-35812-48 Water hardness ion selective electrode, includes 15 ml of reference electrolyte and a filling pipette. Shpg wt 0.5 lb (230 g).

WD-35812-99 Water hardness ion selective solution kit, includes 475 ml Ion Strength Adjuster, 475 ml calibration standard, 60 ml reference electrolyte, and syringe dispenser. Shpg wt. 1 lb (460 g).

pH electrodes and accessories

WD-35801-00 Replacement electrode, 5.75"L x 0.47 OD (12 mm). Shpg wt. 0.5 lb (230 g).

WD-35805-05 Double junction electrode, use with solutions that are dirty, have heavy metal or organic ions. 5.75"L x 0.47 OD (12 mm). Shpg wt. 0.5 lb (230 g).

WD-35613-05 Replacement temperature probe, 316 SS, polypropylene cap, 3" cable. Shpg wt 0.15 lb (70g).

WD-35805-13 ORP electrode, epoxy body, single junction, 5.75"L x 0.49"OD (12.5 mm). Shpg wt 0.5 lb (230 g).

WD-00653-04 Electrode storage solution, 1 pint bottle. Keeps electrode bulb moist for faster, more accurate readings. Shpg wt 1.1 lbs (510 g).

WD-00653-06 Electrode cleaning solution, 1 pint bottle. Removes buildup from electrodes and maintains electrode sensitivity. Shpg wt 1.1 lbs / 510 g.

OAKTON pH calibration solutions

±0.01 pH accuracy at 25°C. Shpg wt 1.1 lb (510 g).

WD-00654-00 pH 4.01 calibration buffer, 1 pint.

WD-00654-04 pH 7.01 calibration buffer, 1 pint.

WD-00654-08 pH 10.01 calibration buffer, 1 pint.

OAKTON "Singles" pH calibration solution pouches 20 / box.

±0.01 pH accuracy at 25°C. Shpg wt 1.1 lb (454 g) per box.

WD-35653-00 Deionized rinse water solution pouches,

WD-35653-01 pH 4.01 "Singles" buffer solution pouches

WD-35653-02 pH 7.00 "Singles" buffer solution pouches

WD-35653-03 pH 10.00 "Singles" buffer solution pouches

WD-35653-04 Assortment pack, 5 ea. deionized water, pH 4.01, pH 7.00, and pH 10.00 solution pouches.

NOTE: Remember to check the temperature calibration when replacing the ATC probe. See section 4.4, "Temperature calibration" (page 12).

Appendix A: temperature curve selection (Ion 6 meter only)

Using the temperature calibration procedure described on page 12 of this manual, you can achieve the ±0.5°C accuracy specified for this meter. However, to optimize temperature performance, you may make an offset adjustment of the temperature curve.

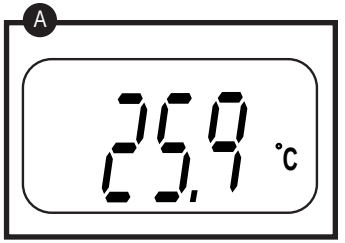
1. Connect your temperature probe to the meter.
2. Go to the pH calibration mode by pressing the CAL key when the unit is in pH measurement mode.
3. Compare displayed value to a NIST certified thermometer or other thermometer known to be accurate. For best accuracy, place probe and thermometer in a constant temperature bath, in this example: 25°C.
4. Press MODE key. Unit displays the default curve temperature, in this example: 25.9°C

   See figure A
5. Press the MODE key to scroll through the three temperature curves. Find the temperature reading closest to your actual temperature, in this example: 24.8°C.

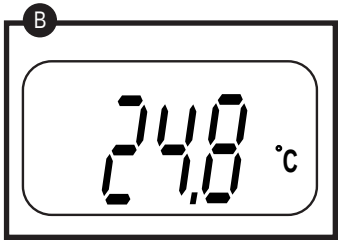
   See figure B
6. Press ENTER key to confirm calibration. The LCD flashes "CO", the meter then reverts to temperature calibration mode for offset adjustment.

   See figures C D
8. Use the ▲ and ▼ keys to fine tune the temperature reading to your actual temperature, in this example: 25°C.
6. Press ENTER key to confirm calibration. The LCD displays "CO", and the meter then reverts to measurement mode.

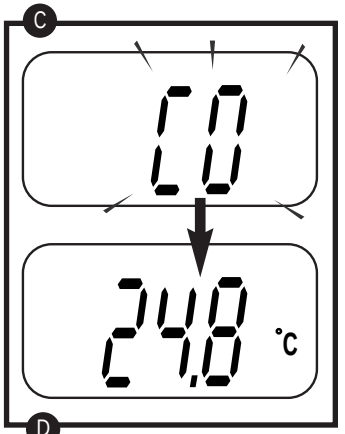
A



B



C



D