



Water Quality






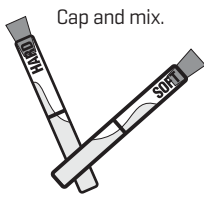

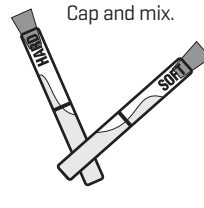
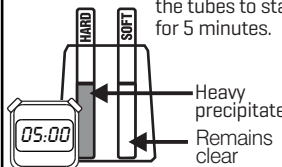
AT SpinTouch Demo Outfit 4-3085

Instruction Mat

Precipitation Demonstration







NOTE: This portion of the AT-38/40 Water Quality Demo Kit is ONLY a visual demonstration illustrating the removal of Calcium and Magnesium ions from tap water after treatment by the ion exchange process. The results should not be interpreted beyond the intent of the demonstration.

TEST PROCEDURE

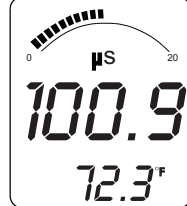
1  Thoroughly rinse the "SOFT" water Demo Tube [0298] with softened water.	2  Thoroughly rinse the "HARD" water Demo Tube [0297] with untreated water.	3  Fill the "SOFT" Demo tube [0298] to the line with softened water.
4  Fill the "HARD" water Demo Tube [0297] to the line with untreated water.	5  Add 7 drops of *Precipitation Reagent A [4542WT] to each tube.	6  Cap and mix.
7  Add 7 drops of Precipitation Reagent B [4543WT] to each tube.	8  Cap and mix.	9  Place tubes in the Precipitation Rack [0879] and allow the tubes to stand for 5 minutes. Heavy precipitate Remains clear

Salt/EC/TDS

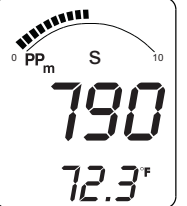
TEST PROCEDURE

1  Fill a sample cup to the 20 mL line with the test sample. Sample depth must be greater than or equal to 1.5 inches.	2  Immerse the TRACER electrode in the sample. Make sure the electrode is completely submerged.	3  Press the ON/OFF button.
4  Press and hold the MODE button to scroll to the desired measurement mode.	5  Slowly stir the sample with the TRACER to remove air bubbles.	6  The meter will autorange to the proper range and the reading will be displayed.
7 Rinse the electrode in distilled water. Replace the cap.		

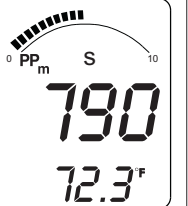
Conductivity


100.9
72.3°F

TDS (ppm)



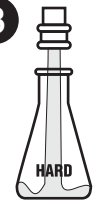
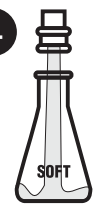






790
72.3°F

Salinity


790
72.3°F

Soap Demonstration

TEST PROCEDURE

1  Thoroughly rinse the "SOFT" water flask [0453] with softened water.	2  Thoroughly rinse the "HARD" water flask [0452] with untreated water.	3  Fill the "HARD" flask [0452] with untreated water until the bottom surface is covered with a layer of water about 1/2" deep.
4  Fill the "SOFT" flask [0453] with softened water to the same level.	5  With the pipet [0392], add 4 drops of *Soap Reagent #4 [4767] to each flask.	6  Cap and shake the flasks.
7  A thick lather will form in the softened water.	8  Continue to add *Soap Reagent #4 [4767], one drop at a time, to the untreated "HARD" water, shake periodically until a lather forms. Count the number of drops added.	9  Extremely hard water may require 30, 40, or even 60 drops of *Soap Reagent #4 to produce a lasting lather.

*Potential health hazard. Read SDS at www.lamotte.com













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WaterLink SpinTouch

BEFORE FIRST USE

- Fully charge battery using the USB cable and adapter plug in AC outlet
- Ensure your Spin Touch has the latest firmware:
 1. Download and install the WaterLink® Connect application for Windows® at <http://softwarecenter.lamotte.com/>.
 2. Plug meter into the computer with the provided USB cable and launch WaterLink® Connect application from the Start Menu.
 3. Any firmware updates will automatically be applied to the meter.

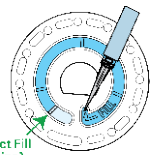
TESTING

1. Press  and hold until the meter turns on.
2. Tap . Select a sanitizer type. Tap  to confirm.
3. Tap . Select a disk series (found on disk packaging). Tap  to confirm.
4. Remove disk from packaging.
5. Use syringe [1189] to fill disk with pool or spa water sample.
6. Insert disk. Cover disk with Universal Disk Cover. Close lid.
7. Tap  to start test. Tap  to cancel the test.
8. Results will be displayed.
9. Select an option.
 - Tap  to return to the Test Screen.
 - Tap highlighted  to save test results to test log if Auto Save is not enabled.
 - Tap the highlighted  to send the results to the enabled Mobile Bluetooth Printer.
 - Tap highlighted  to send results to Bluetooth enabled device.
10. Press and hold  for 2 seconds to turn meter off

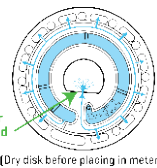
NOTE: For water samples over 100 °F [38 °C] subtract 0.3 from pH result or, for the most accurate result, wait until water sample is below 90 °F [32 °C] to test.

FILLING: SINGLE-USE DISK

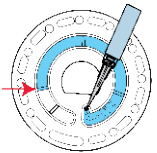
1. Fill the disk using slow, even pressure. Sample water should be added until the sample water in the fourth chamber fills to the top of the chamber.



2. Do not overfill the disk. If the disk is overfilled, sample water will flow out of the overflow hole in the center of the disk.



3. Do not under fill the disk. If the disk is under filled, the reagent chambers will not fill entirely and results will be inaccurate.



4. Wet disks should be dried thoroughly with a lint free wipe. The disk should be handled by the edges.



5. Disks should be filled and used within 10 minutes. They cannot be filled ahead of time.

DOS & DON'TS

- Hold syringe vertically when filling disks.
- Do not fill disk while in the meter. Fill disk on clean, dry surface.
- The disk should not contain any large air bubbles. Air bubbles will result in erroneous results.
- Only the Universal Disk Cover [Code 1719] can be used with the WaterLink Spin Touch
- Empty syringe of previous sample before filling with next sample.
- Remove filled disk from meter after testing.
- Store disks at 70°-80°F/21°-27°C.