

# 390a Salt Meter

## Measure Salt Concentration and Temperature

### Applications:

**Food:** Test the amount of salt in food, seafood, or processed foods

**Health:** Monitor the amount of salt intake

**HVAC:** measure salt content of water in boiler applications to avoid build up in small orifices

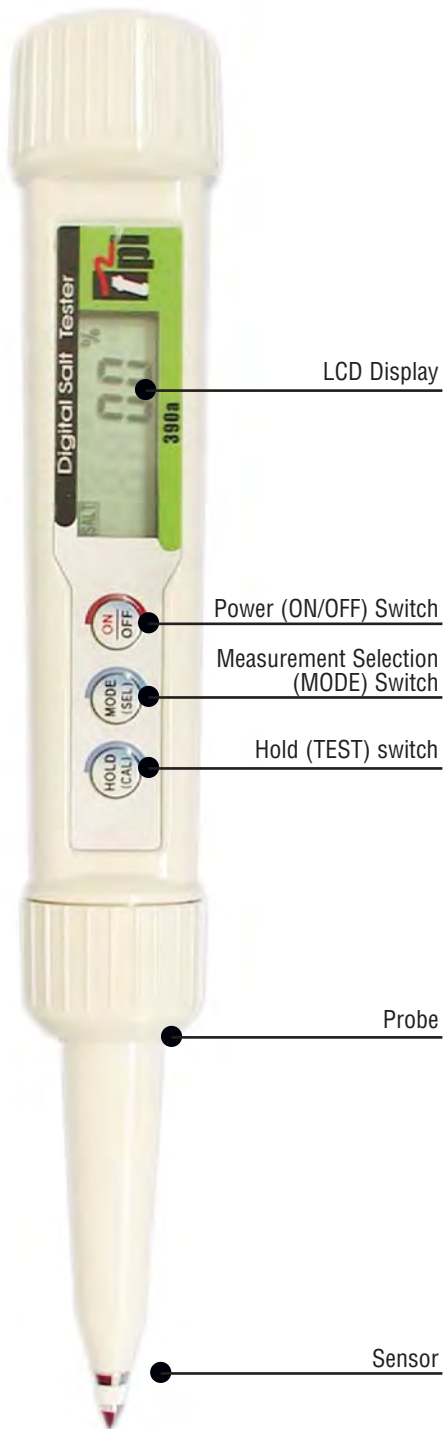
Industrial water bath units for build-up of salts

Aquarium and pool uses for detecting high salt content

**Water:** Test TDS levels to determine purity.

### HVAC

- Test condensate water in cooling tower and humidifier reservoirs to prevent bacterial growth and drain line corrosion.
- Reduce water and chemical consumption in boilers and cooling towers.
- Test TDS levels in make-up water to prevent scale formation, corrosion, and embrittlement.
- Determine when to perform blowdown and add make-up water.
- Prevent contamination and corrosion of control valves, heat exchangers, and steam traps.
- Verify automated TDS controllers are functioning properly.
- Prevent low quality wet steam generation in boilers due to foaming caused by high TDS levels.



Detachable Spoon



<b>Measurement Target</b>	<ul style="list-style-type: none"> <li>• Aqueous Solution</li> </ul>
<b>Salt Measurement</b>	<ul style="list-style-type: none"> <li>• Measurement Method: Electric Conductivity Measurement System</li> <li>• Measurement range: 0.1% to 5.0%</li> <li>• Accuracy               <ul style="list-style-type: none"> <li>• Less than 2%: +/- one digit</li> <li>• 2% or more: +/- two digits</li> </ul> </li> <li>• Measurement Temp: 32°F to 212°F (0°C to 100°C)</li> </ul>
<b>Total Dissolved Solids (TDS)</b>	<ul style="list-style-type: none"> <li>• Measurement Range               <ul style="list-style-type: none"> <li>• 0ppm to 2000ppm</li> </ul> </li> <li>• Accuracy               <ul style="list-style-type: none"> <li>• +/-20ppm</li> </ul> </li> </ul>
<b>Temperature Measurement</b>	<ul style="list-style-type: none"> <li>• Measurement Range: 32°F to 212°F (0°C to 100°C)</li> <li>• Measurement Accuracy: <math>\pm 1^{\circ}\text{C}</math> <math>\pm 2^{\circ}\text{F}</math> (<math>\pm 1^{\circ}\text{C}</math>) (temp. range: 0°C to 70°C) of reading</li> </ul>
<b>Resolution @ 20°C</b>	<ul style="list-style-type: none"> <li>• Salt Measurement: 0.1%</li> <li>• Temperature: 1°</li> </ul>
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>• CR2032 Battery (2)</li> </ul>
<b>Size</b>	<ul style="list-style-type: none"> <li>• 10" x 1.3" x 0.7" (215mm x 30mm x 26mm)</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>• 2 oz (57g)</li> </ul>
<b>Standard Accessories</b>	<ul style="list-style-type: none"> <li>• Sensor protection cap, supporting spoon, manual and batteries</li> </ul>

# 390a Salt Meter

LCD Display

Power (ON/OFF) Switch

Measurement Selection (MODE) Switch

Hold (TEST) switch

Probe

Sensor

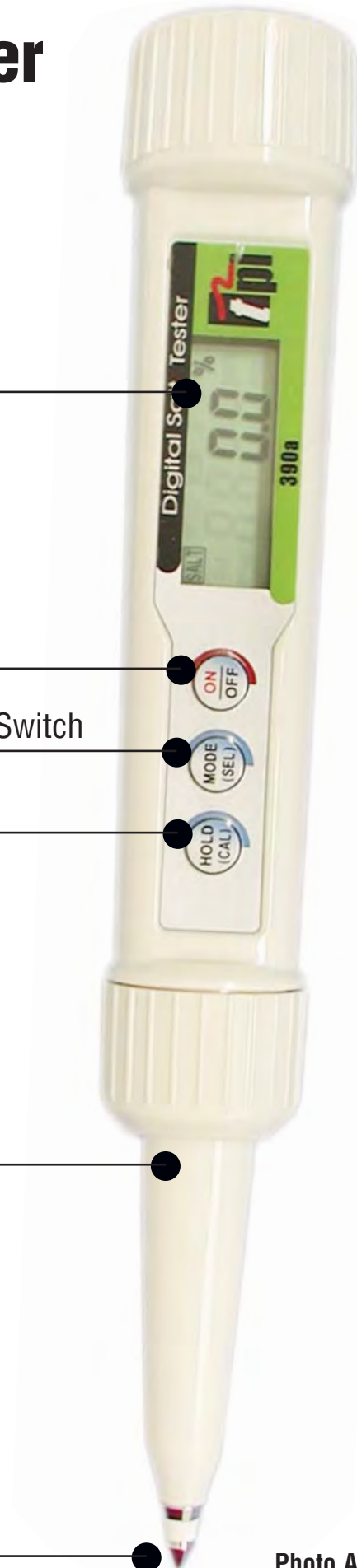


Photo Actual Size