

## **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.

#### HVACR

- 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.

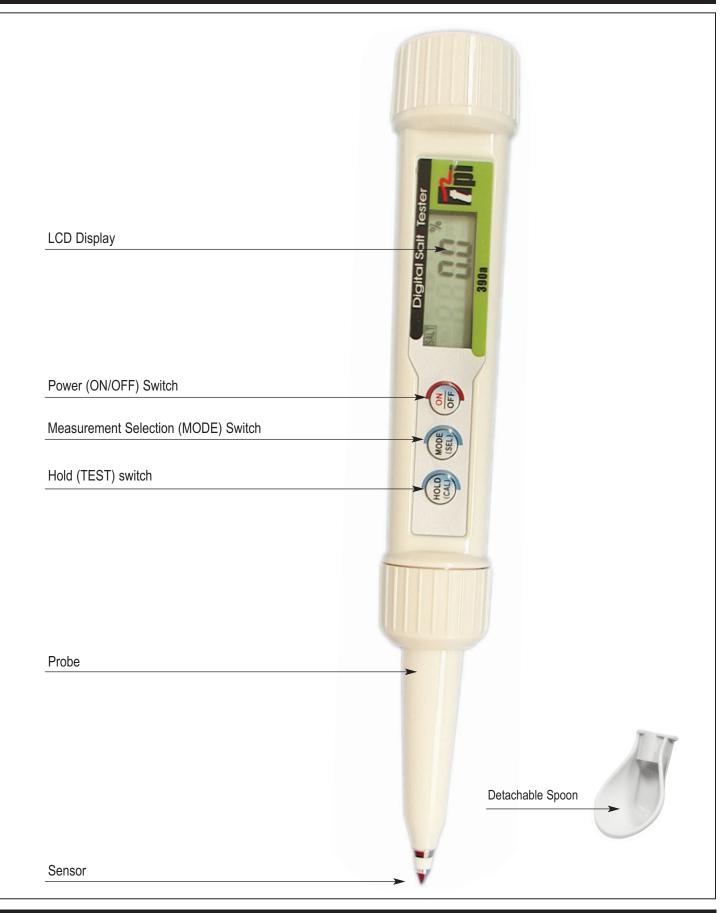
# Salt Meter



Measurement Target	Aqueous Solution
Salt Measurement	Measurement Method: Electric Conductivity
	Measurement System
	Measurement range: 0 to 5.0%
	<ul> <li>Resolution: 0.1% / 0.01%</li> </ul>
	<ul> <li>Accuracy: 0.1% to 2% = +/-0.2%</li> </ul>
	2% to 5% = +/-0.3%
	<ul> <li>Measurement Temp: 32°F to 212°F (0°C to 100°C)</li> </ul>
Total Dissolved	Measurment Range
Solids (TDS)	Oppm to 2000ppm
	Accuracy
	• +/-20ppm
Temperature Measurment	Measurement Range:
	32°F to 212°F (0°C to 100°C)
	Measurement Accuracy:
	±1°C ±2°F (±1°C)
Resolution @ 20°C	<ul> <li>Salt Measurement: 0.1% / 0.01%</li> </ul>
	Temperature: 1°
Power Supply	<ul> <li>CR2032 Battery (2)</li> </ul>
Size	<ul> <li>10" x 1.3" x 0.7"</li> </ul>
	(215mm x 30mm x 26mm)
Weight	• 2 oz (57g)
Standard Accessories	<ul> <li>Sensor protection cap, supporting spoon, manual and batteries</li> </ul>

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