

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

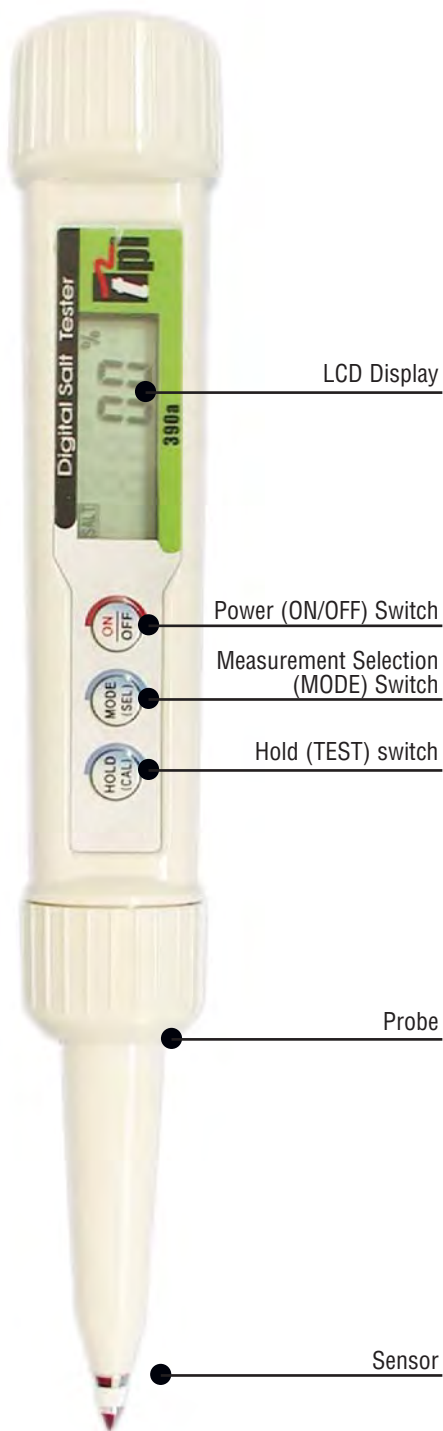
Industrial water bath units for build-up of salts

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.



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

Detachable Spoon



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LCD Display

Power (ON/OFF) Switch

Measurement Selection (MODE) Switch

Hold (TEST) switch

Probe

Sensor

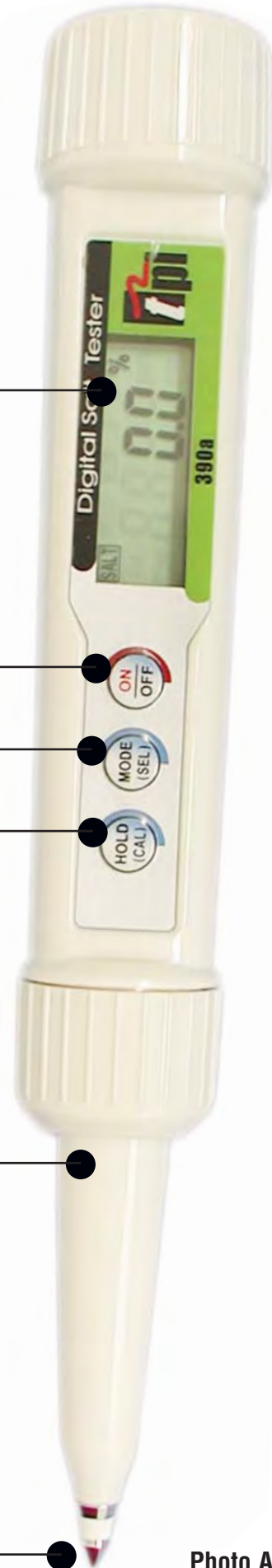


Photo Actual Size