

# SaltDip™

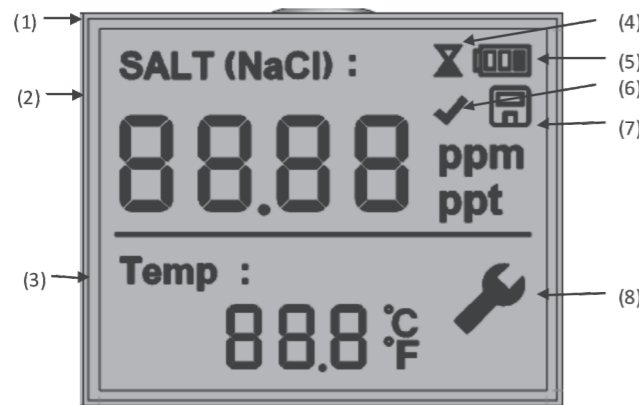
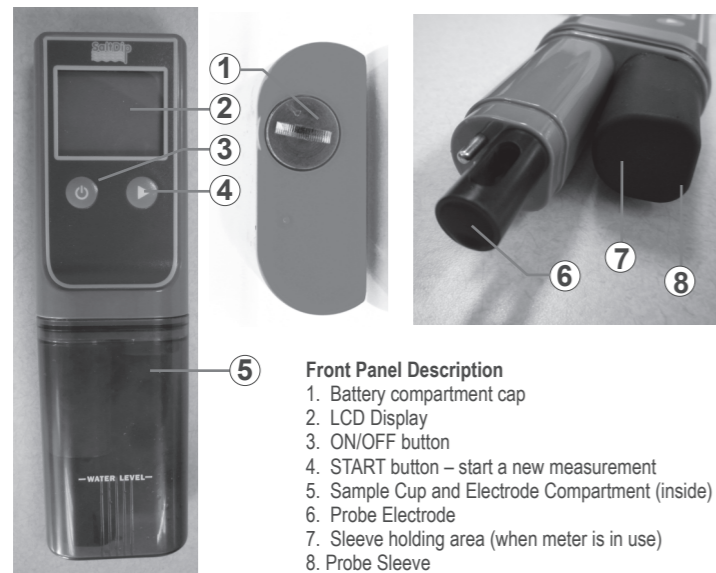
## Digital Salinity Reader

### Operating Instructions

#### Introduction

SALTDIP™ is a swimming pool and spa water tester of salinity. The SALTDIP™ is an easy to use, accurate, and economical measurement device.

#### Meter Description



#### SALTDIP™ Display

1. Main display
2. Salt Measurement Display (Salinity)
3. Temperature Display
4. Hourglass: measurement in progress indicator

5. Battery indicator
6. Check mark: measurement done indicator
7. Disk icon: readings from memory
8. Tools icon: error warning

#### Specifications / Features

- Operating range: 5~50°C, 200~9800ppm (NaCl)
- Temperature sensor: Selectable °C/°F system. Resolution: 0.1°C/0.1°F (1°F if >=100°F)
- Salt resolution: 100 ppm
- Automatic keep the previous measured data
- 42x34mm viewing area LCD, Grey background with Black characters, White LED backlight
- 2xAAA batteries
- Auto-power off to save battery (1 minute non-use)

#### Getting Started

##### Setting up the meter

1. Place batteries (included) into the device. Refer to Battery Replacement section of this manual.
2. Remove the sample cup in order to access the probes.
3. Remove the sleeve which protects the probes.

##### Measurement

1. Fill the bottom 1/3 of the sample cup with the water sample. Make sure to collect the water at least 1.5" from the surface. The other option is to submerge the probes directly into the water sample.
2. Press the button. The most recent measurement will always appear along with the icon.
3. Remove the sleeve and attach it to holding area. Immerse the Safedip probe in the water sample. Make sure the probes are completely submerged.
4. Press the START button to begin a new measurement.
5. During the new measurement, the will blink before all stabilized parameters are achieved.
6. When measurement is finished, a beep will be heard and newest data will be displayed. The data will be saved in the memory until the next measurement. Only the latest measurement is stored and all prior measurements are discarded.
7. In order to view the latest readings at anytime, press .
8. If another measurement is desired, repeat steps 3-6.
9. When finished using the meter, press the once to turn the device off. If you forget to do so, the meter will turn off automatically after 1 minute.
10. Always rinse the probes with fresh tap water after use. Replace the sleeve in order to keep the probes wet. Failure to keep probes wet will void the warranty.

#### Basic Operation

##### 1) Power ON/OFF:

The SALTDIP™ uses two AAA batteries. If the batteries are weak, the icon indicator will appear on the display. Press the ON/OFF button to turn the SALTDIP™ on or off. **The auto power off feature will shut the SALTDIP™ off automatically after 1 minute of non-use.**

##### 2) Toggle °C/°F:

To change the displayed temperature units between °C or °F: With the SALTDIP™ ON, press and hold START button for 4 seconds.

##### 3) New Measurement:

When the meter is powered on, the LCD display will display the readings from the very last measurement. The icon will also be displayed. Press START button to start a new measurement. During the new measurement, the icon will blink before all stabilized data are achieved. (Please see detailed explanation in the Measurement Procedure section.)

#### Maintenance

##### Probe Care and Storage

1. Rinse the probe in distilled or tap water.
2. Store the SaltDip with the probe sleeve over the electrode. Always keep the sponge in the cap soaked with tap water.
3. Always rinse the probes in distilled or tap water between measurements to avoid cross contamination. Double rinsing is recommended when high accuracy is required.
4. Do not touch the probes. Touching the surface of the probes may damage and reduce the life of the probes.

##### Probe Cleaning Recommendations

Do not soak the probe in any cleaning solution. To do so may cause degradation in performance. When cleaning the probe, use tap water and be careful not to scratch or damage the sensing surface.

##### Battery Replacement

1. Twist off the battery compartment cap.
2. Replace the two AAA batteries. Observe polarity.
3. Replace the battery compartment cap and make sure it is tightly secured to avoid water intrusion.

#### Troubleshooting

PROBLEM	POSSIBLE CAUSE	SOLUTION
Meter will not turn on	Batteries low or dead	Replace batteries
	Wrong battery polarity	Replace batteries with correct polarity

Icon	Description	Range	Actions
	Salt out of range	200 ~ 9800ppm	Use other solution
	Temperature out of range	5 ~ 50°C (41 ~ 122°F)	Bring solution to the temperature within range
	Low Battery	N/A	Replace batteries

#### Warranty

This instrument is guaranteed to be free from defects in material and workmanship for a period of one year from the date of original purchase. The probes are guaranteed to be free from defects in material and workmanship for a period of six months from the date of original purchase. Damages brought on by abuse, operator negligence, accident, misapplication, mishandling, or acts of God will void this warranty. This warranty is limited to the repair or replacement of the product at the discretion of the manufacturer and will not include transportation costs. This warranty does not cover batteries. This product cannot be returned without a return authorization number from Solaxx. For warranty support or a Return Authorization number, log onto [www.solaxx.com](http://www.solaxx.com) and click on support or email:

[support@solaxx.com](mailto:support@solaxx.com)