

Safedip PRO

Multi-parameter Meter for Pool Professionals

Operating Instructions



SAFEDIPTM Pro is an electronic testing device for accurate measurement of ORP, pH, Salinity, Total Dissolved Solids, and temperature of swimming pool and spa water

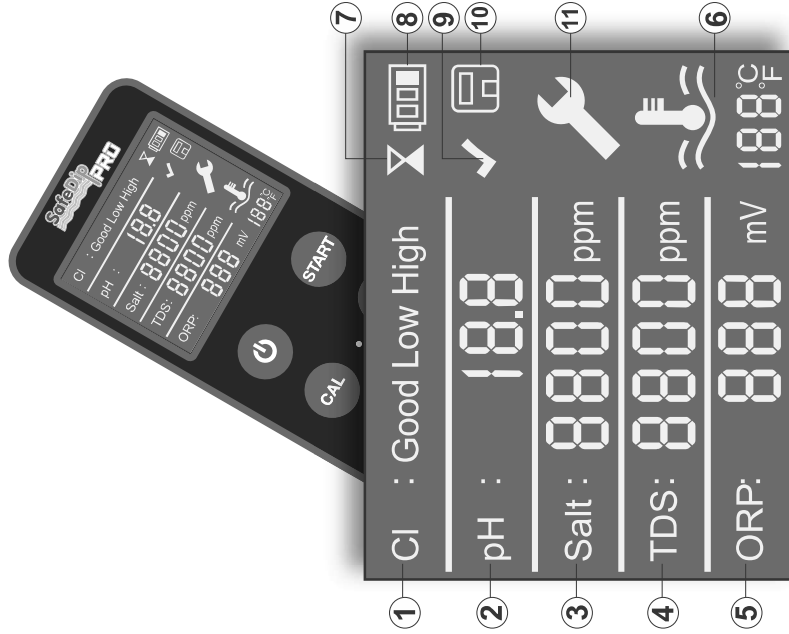
Contents

1. Carrying case with Padded Foam Protection (1)
2. Handheld Meter (2) with stainless steel battery cover and rugged rubber casing
3. Conductivity/Temperature Probe (3)
4. Stainless steel Probe guard (4)
5. Removable 3 FT Extension Cable
6. 7.0 pH buffer Calibration Solution
7. Operating Instructions

Needed:

- 2AAA Batteries
- Flat head screwdriver or a coin to open battery compartment

Display Area



SAFEDIPTM PRO Display Indicator

- Free Chlorine - Reads Low, Good or High based on ORP Measure of chlorine effectiveness determined by ORP reading
 - High (>800mV) Too much sanitizer
 - Good(650~800mV) Ideal
 - Low (<650mV) Not enough sanitizer
- pH Level: Range from 0.0-12.0pH. Ideal range for swimming and optimal chlorine disinfection is between 7.2 - 7.6
- Salt measurement displays reading based on conductivity with automatic temperature compensation

NOTE: Allow probes to soak briefly when changing samples so meter can adjust accordingly.

- TDS-the concentration of dissolved ionized solids in the water.
- ORP-Oxidation Reduction Potential (ORP) is a measurement of how effective chlorine is at disinfecting. Higher ORP indicates the chlorine has an increased ability to oxidize the contaminants in the water.
- Temperature display-Choose from Centigrade or Fahrenheit
- Hourglass: represents measurement in progress
- Battery level indicator
- Check mark: measurement completed
- Disk icon: Last saved reading
- Wrench icon: error warning

Getting Started

Specifications / Features

- Operating ranges: 41-122°F (5-50°C), 0-12ph, 0-999mV(ORP), 200-8000ppm (Salt and TDS)
- Temperature sensor: Selectable °C/°F system. Resolution: 0.1°C, 0.1°F (1°F if >=100°F)
- ORP sensor-resolution: 1mV; Accuracy: ±50mV (500~800mV)
- TDS and SALT-resolution: 100ppm; Accuracy ±100ppm (200~8000ppm)
- Replaceable pH sensor - Resolution: 0.1 pH Accuracy ± 0.2
- 1 point pH calibration using 7.00 standard buffer
- Automatic temperature compensation for pH and salt
- Automatically saves last recorded reading until new measurement is taken.
- 42x34mm viewing area LCD, Grey background with Black characters, White LED backlight
- LED Indicator (Red/Green)
- Green: ORP >=650mV and pH between 7.0 - 8.0 (Free Chlorine: Good)
- Red: ORP <650 mV and/or pH not in range
- Auto-power off to save battery after 1 minute idle.

Install Batteries

1. Peel back rubber casing from top of unit and twist off the silver metal battery compartment cap.
2. Observe polarity on back of meter and insert two AAAA batteries.
3. Replace the silver metal battery compartment cap and make sure it is tightly secured to avoid water intrusion.
4. Battery level indicator will show when low. Replace as necessary.

on again

4. Unit will beep and turn off once calibration is completed!

Toggle °C/°F

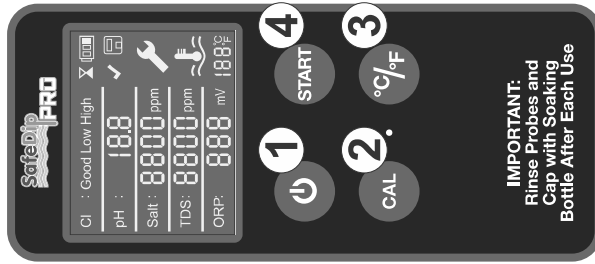
- To change the displayed temperature units between °C or °F: With the unit turned ON (1), press C/F (3)

Probe Care and Storage

- Store the SAFEDIPTM PRO inside carrying case and keep from extreme temperature.
- Remove metal probe guard and rinse the probe in fresh water after each use to avoid cross contamination
- DO NOT soak the probe in any cleaning solution or chemicals. Doing so may cause degradation in performance. When cleaning the probe, use fresh water only!

Calibration



1. With the unit turned ON (1), set the probe into 7.0 pH buffer calibration solution.
2. Press and hold start button (4) then press and hold the CAL button (2), hold both for 5 seconds.
3. The screen will flash "7.0 pH", at this time press the CAL button (2).



Measurement

1. Prior to testing, swish dry probe in sample water for 5 seconds to moisten sensor.
2. Gently drop probe into water (pool, spa, or sample cup/bucket) - **For greatest accuracy sample should be collected 1 foot from surface.**
3. Press the ON/OFF button. The most recent measurement will always appear along with the DISK icon.
***Readings are most accurate when probes are soaked in sample for 1-2 minutes prior to running a test**
4. Press the START button to begin a new measurement.
5. During the new measurement, the HOURGLASS indicator will blink before all stabilized parameters are achieved. Allow up to 180 seconds for testing to complete.
6. When measurement is finished, unit will beep, 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. When finished using the meter, press the ON/OFF button once to turn the device off or the meter will turn off automatically after 1 minute.
8. Always rinse the probe with fresh tap water after each use and store in carrying case.

Troubleshooting

PROBLEM	POSSIBLE CAUSE	SOLUTION
Meter will not turn on.	Dead batteries Wrong Battery Polarity	Replace batteries Confirm batteries are installed properly
	Salt or Temperature is out of range	Make sure test sample is within operating ranges. Salt: 200-980ppm Temperature: 41-122°F (5-50°C)
	Low Batteries	Replace batteries
Display shows "LO"	Low Batteries	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 probe is 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 product cannot be returned without a return authorization number from Solaxx.

For warranty support or a Return Authorization number, log onto www.solaxx.com and click on support or email: support@solaxx.com.

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