

SPER SCIENTIFIC

Pocket Conductivity/TDS Meter Instruction Manual

Introduction

This multi-functional pen type water quality meter measures conductivity and total dissolved solids (TDS) to determine water quality. The unit has auto range recognition, ATC and automatic shut off if idle for 2 minutes. This compact unit weighs less than 27 grams, is 6" in length and easily fits into a shirt pocket or lab coat pocket.

Features

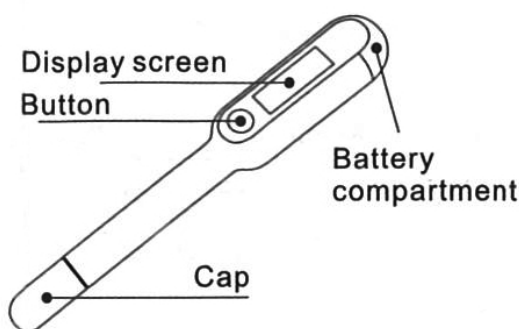
- Reads Conductivity, TDS and Temperature (°C/°F)
- Automatic temperature compensation (ATC)
- Pure titanium probe, rust and corrosion resistant
- Exposed stainless steel temperature sensor for wider temperature range, faster response and accuracy
- Water resistant keypad with easy single button operation

Specifications

Conductivity range	0-9999 $\mu\text{S}/\text{cm}$	Battery	1.5V x 2 AG13 button
TDS range	0-9999 ppm	Operating current	< 1 mA
Temperature range	0-80°C (32-176°F)	Product Weight	26.5 grams
Resolution	1 ppm, 1 $\mu\text{S}/\text{cm}$	Product size	6" x 1" x 0.63"
Accuracy	+/-2% FS		

Button Function

1. Turn on: Press the button to turn on.
2. Measurement status: Press the button to switch measurement display interface.
3. Hold function: Double press the button to lock all values, and double press again to unlock.
4. Shut down: Press and hold the button for about 2 seconds to shut down (Automatic shut-down after 2 minutes).

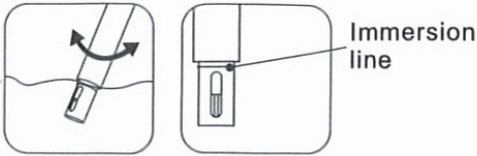


Instructions

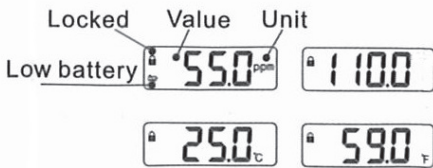
1. When first using the unit, open the battery compartment and remove the insulation strip to activate the batteries (Figure 1).



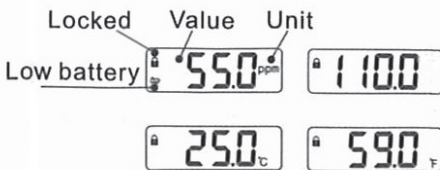
2. Remove the pen (probe) cap and press the button to select TDS/Conductivity function (ppm, $\mu\text{S}/\text{cm}$).



3. Immerse the probe end of the pen into the water sample, and gently stir the pen in a circular motion. Make sure the probe water level does not go above the immersion line marked on the unit (Figures 2,3).



4. When the reading is stable (after about 5 seconds), read the value of the display, or double press the button to hold the value.



5. After use, remove from water, gently shake the probe, wipe the end with soft cloth, replace cap and turn off the power.

