

# Instructions for Chelsea Time and Tide Clocks

## QUARTZ:

Chelsea presents a unique instrument combining both regular and tide time on a single dial.

### 1. Reading the Clock

A specially designed dial provides easy reading of the clock. The outer band is Standard Time. The inner portion is color coded indicating phases of the tide. Two red triangles at 3 and 9 o'clock positions represent mid-tides.

Hours past and hours to high tide can be read directly from this dial. The big red hand near the dial face is the tide dial and revolves approximately once ever 12 hours and 25 minutes. Strong winds and coastal conditions affect tide cycles, therefore periodic resetting of the tide hand may be necessary.

### 2. Starting and Setting the Clock

- a. Unscrew bezel and glass assembly from the clock and set aside.
- b. Carefully remove the dial and attached mechanism from the case.
- c. Stop the clock by removing the battery.
- d. Manually set second hand to 12 o'clock position.
- e. Using the hand setting knob on the back of the movement (located on the right side), set the hour and minute hands to the time of the next high tide.
- f. Using the set knob on the left side of the movement, turn the tide hand to the high tide position on the dial.
- g. Using the hand setting knob (right side), set the clock backwards to a few minutes ahead of actual time.
- h. When set time coincides with actual time, inset battery back in movement.

### 3. Battery

Use a AA-cell battery. When inserting a battery, carefully observe correct polarity (i.e. (+) plus, (-) minus)>

