



## PC-90 Professional Stopwatch

### FEATURES:

#### CHRONOGRAPH

- Display of Lap, split and running chronograph.
- Measure up to 9 hours 59 minutes and 59.99 seconds.
- 30/60/100/300/500 Rec callable lap and split memories.
- Display of fastest (FS), slowest (SL) and average (AV) lap times for the laps traversed.
- Lap counter (00-999).

#### DUAL COUNTDOWN TIMER

#### CLOCK

- Hour, minutes, seconds, month, date, day and year, auto calendar.
- Alarm hour and minutes.
- 12/24 hour and European calendar user option.



#### CHRONOGRAPH OPERATION



- Depress D to select the operating mode.  
The chrono indicator is shown. Depress A to start.



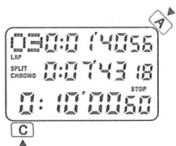
- Depress B to read the 1st Lap time. LAP is shown at the upper row, SPLIT is shown at the middle row and the RUNNING CHRONO is shown at the bottom row.



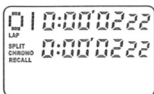
- Depress B to display the 2nd Lap time. The 2 digit in dot matrix format at the top left corner is the Lap counter.



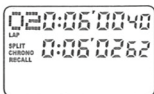
- Depress B to display the 3rd lap time.



- Depress A to stop counting.



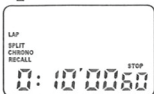
- Depress C to recall 1st Lap data (memory can be recalled anytime when the chronograph is either running or stopped).



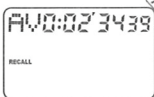
- Depress C again to recall the 2nd Lap data.



- Depress C again to recall the 3rd Lap data.



- Depress C again to recall the stopped time.



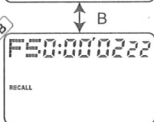
- At any time during the RECALL mode ....

- Depress A will display the average (AV) Lap time of the Laps traversed.

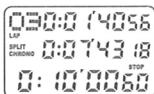
Remarks: if lap counter is > 999 or either Lap/split is greater than 9H 59M 59.99S, the AV information will be disabled, AV- - - - - will be displayed.



- Depress B will display the slowest (SL) Lap time of the Laps traversed.



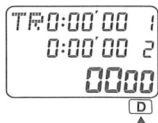
- Depress B will display the fastest (FS) Lap time of the laps traversed. Repeated depression of B will display the fastest and slowest Lap times alternately.



- Another depression of the C button will return the chrono to the stopped status. (Depression of D at any time during recall mode serves the same purpose.) Depress A to restart counting or B to reset all memories.

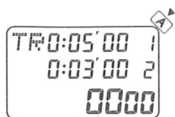
Remarks: the stopwatch can recall the last lap and lap data entered before the memory capacity used up.

## DUAL COUNTDOWN TIMER OPERATION



- Press D button until the stopwatch goes to the TIMER mode. The top row is the display for the 1st timer and the middle row is the display for the 2nd timer.
- Press and hold B button for 2 seconds to go into the SET TIMER mode with the hour digit of the 1st timer blinking.
- Press A button to set to desired hour for countdown.
- Press B to go to the first digit in minutes and press A to set minutes. Similarly by using B and A buttons the desired countdown times for the 1st and 2nd timers can be set.

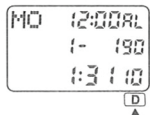
\*\*Pressing D button once any time during this TIMER setting sequence will complete the setting and the timer is ready to start upon pressing the A button.



- Press A to start countdown with the "1" at the top right corner blinking and the timer setting counting down. When the 1st timer approaches zero, the timer gives 4 beeps and the 2nd timer starts counting down immediately. When the 2nd timer approaches zero, it gives 2 beeps and the 4 digit counter at the lowest row advances by 1 automatically.
- At any time during countdown pressing A will stop counting.

\*\* If only the 1st timer is set the timer is used as an ordinary countdown timer and will give 5 times 4 beeps when the set time is up. The 4 digit counter also advances by 1 automatically when the timer reaches zero.

## CLOCK OPERATION



- Depress D to select CLOCK mode. The alarm hour, alarm minutes, month, date, day, year, hour, minute and seconds are displayed as shown. Time setting can be done by means of depressing B to select digits and A to advance digits.

Remarks: alarm is automatically armed if alarm hour or minute has been set. Alarm can also be armed or disarmed by depressing C at normal time mode. When alarm is armed 'AL' is flashing and when not armed 'AL' is not flashing. When the alarm time is reached and the alarm is armed, an output of 3 short beeps/second will sound for 15 seconds. Remarks: if the alarm time is reached when the stopwatch is in other modes, the alarm will only sound 3 short beeps.

## CARE OF YOUR STOPWATCH

### WATER RESISTANCE

The stopwatch is designed to withstand accidental contact with water such as splashes or rain, but it is not designed for use in water. Do not operate the buttons when the stopwatch is wet.

### TEMPERATURE

Do not leave your stopwatch under direct sunlight or in very high temperatures for a long time, the display may become black. Do not leave your stopwatch in very low temperature as this may cause a slight time loss or gain and the change of digits becomes slow. In both cases the above conditions will be corrected when the stopwatch returns to normal temperature.

### SHOCKS

Be careful not to drop your stopwatch or hit it against hard surfaces as it may cause a mechanical damage.

### STATIC ELECTRICITY

The integrated circuit in your stopwatch can be affected by static electricity. If the static electricity is very strong, a permanent damage can occur. Be careful of the screen of the TV set and the wearing of clothing made of synthetic material in dry weather; in such cases a very strong electricity can be generated.

### MAGNETISM

Not affected

### CHEMICALS

Do not expose your stopwatch to solvents such as gasoline and alcohol, spray of cosmetics, cleaners, paints etc as they may cause damage to the stopwatch.

### BATTERY CHANGE

When the display becomes dim or faded out, battery replacement is necessary.

1. Unscrew and remove back cover.
2. Unscrew the battery contact.
3. Replace with fresh lithium battery CR2032 or equivalent.
4. Before putting in the fresh battery make sure that the triangular contact is in the triangular slot under the battery.
5. Use a small metal tool (such as a tweezer or screw driver) to momentarily short circuit the AC pad at the lower side of the battery.
6. Rescrew the back cover.

