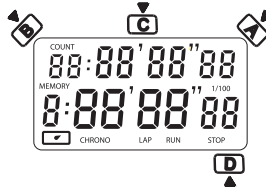


# ULTRAK 480 STOPWATCH OPERATING INSTRUCTIONS



## FEATURES

### CHRONOGRAPH

- Display of section and total lap.
- Measure up to 9 hours 59 minutes 59.99 seconds.
- 8 Recallable Lap time memories.
- Lap counter counting up to 99.

### TIMER

- Presettable countdown timer, maximum 10 hours count down.
- 30 seconds shuttle countdown for time out.

### PACEMAKER

- Presettable from 0.1 sec/beat (600 beats/min.)
- Beatcounter counting up 99.

### CHRONOGRAPH OPERATION

- Depress C to select the operating mode. The 'CHRONO' indicator is shown. Depress A to start.



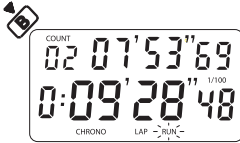
- Depress B to read the lap time. The lap time (section lap) is shown at upper row, the split time (total elapsed time) is shown lower row.



- After 10 seconds the display will automatically be released to show the running lap time at the top row and the running total time at the lower row, the LAP counter automatically advances by 1.



- Depress B to latch the second split time.
- Depress A to stop counting.
- If A is depressed within 10 sec., i.e. before the display is released to running, depress B to read total time and the last lap time.
- If lap time is greater than 59'59"99. Lap counter will blank out to allow for the display of hour.




- Depress D to recall 1st lap data (memory can only be recalled when chronograph is stopped).
- Depress D to again to recall 2nd lap data.
- Depress D again to recall the 3rd memory data (since in this example the stopwatch is stopped after 2nd lap, the stored time is stored in the 3rd memory local on the STOP indicator is also displayed.) Up to 8 stored lap time data can be recalled by depressing D.



- Depress B to reset CHRONO and clear up all memories.



## TIMER OPERATION

- Depress C to select the timer mode. The  indicator is shown. The hour digit is flashing and ready for setting. Press B to select digits and A to set digit. Digit will be advance by +1 for every depression of A. When the last 2 digits are set. Depress B to complete the preset process. The upper and lower row will show the same preset time.



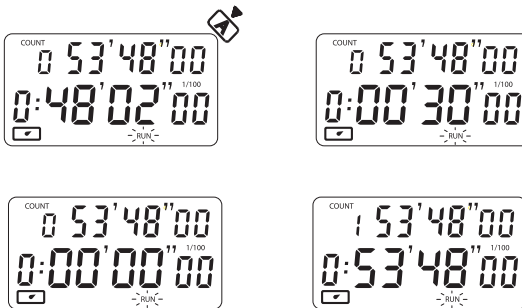
- The 2 digits under the COUNT indicator is a counter to record the number of completed preset time cycles. (count will be blanked out if preset time is greater than or equal to 1 hour).
- Start/stop timer by depressing A.



- When the timer is at "STOPPED" condition depress D will immediate start a 30 sec. countdown, which is displayed at the top row. At the end of this 30 sec. a long beep will be generated.
- Depress D while this countdown is in progress will terminate it and the display will return to original condition.



- Down- counting will continue by depressing A.
- At 30 seconds before timer reaches zero, 4 short beeps will be generated to indicate there is still 30 sec. to go.
- When the timer reaches zero, 10 long beeps will sound.
- Timer will restart automatically from the pre- setting after countdown is finished.



**- PACER OPERATION**

- In the TIMER mode, if the preset is  $\leq 30$  sec., only 1 short beep will sound when the countdown reaches zero . Since the timer automatically recycles as soon as it reaches zero. A beeping sound with a presettable period can be generated. The pacer can be set from a period of 0.1 sec (600 beats/minute) to 30 sec (2 beats/minute).

## 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

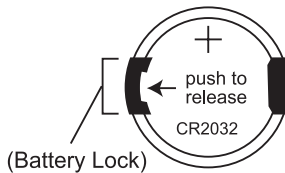
### CHEMICALS

- 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. Turn the battery cover off from close to open position by using the rope holder.
2. Push the Battery Lock in the direction shown to release the old battery.



3. Install a fresh lithium battery CR2032 into the battery holder, please make sure the Battery Lock is in the position shown.
4. Re - install the battery cover, turn the dot from open to close position.

#### CALIFORNIA, USA ONLY

This Perchlorate warning applies only to primary CR(Manganese Dioxide) Lithium coin cells sold or distributed ONLY in California USA.  
"Perchlorate Material-special handling may apply.  
See [www.dtsc.ca.gov/hazardouswaste/perchlorate](http://www.dtsc.ca.gov/hazardouswaste/perchlorate)."