SPER SCIENTIFIC

PROFESSIONAL STOPWATCH
WITH 100 LAP MEMORY

Thanks for choosing the SPER professional stopwatch. This digital stopwatch features split time and lap measurement, as well as countdown / count up timer, normal time and pacer function. To get the most out of your purchase, be sure to carefully read this manual ans keep it on hand for tater reference when necessary.
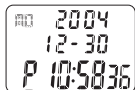
CONTENTS

A. FEATURES

- STOPWATCH: The stopwatch can measure up to 10 hours in 1/100sec.
- SPLIT TIME / LAP TIME MEASUREMENT
- LARGE-SIZE THREE-ROW DISPLAY

  PANEL: Total elapsed time, split time or lap time are displayed at the same time in separate row, and they can be measured without releasing split or lap time measurement.
- MEMORY FUNCTION: Up to 100 measurements can be stored in memory and they can be recalled with fastest lap time, slowest lap time and average lap time.

- TIME/ CALENDER DISPLAY: Year, month, day, week, hour, minute and second can be displayed while the stopwatch is not used.
- TIME MODE: 12/ 24 hour display
- PACER MODE: The pacer value can be adjusted from 10 to 320 counts per minute.

B. MODE

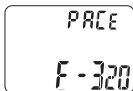- You can go through each mode by
  pressing the MODE key.

Time and Calendar Mode

Countdown Mode

Stopwatch Mode

Pacer Mode

C. TIME / CALENDAR DISPLAY

- In time display mode, long press SPLIT/ RESET key to enter into time setting mode. The year will start flashing, press START/STOP key to advance the year.
- After setting the Year, you can press the SPLIT/RESET key to set the month, and you can press START/STOP key again to advance the month. You can adjust the day, 12/24 hour display, hour, minute and second in the same way. The adjust order is as follow:

  Year - Month - Day - 12/24 hour - Hour - Minute - Second

- Press MODE key to confirm the setting at any stage.
- The hour display can have 12 / 24 hour display option.
- The year range is from 2010 to 2099. The date will adjust automatically for odd and even month including February of leap year.
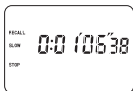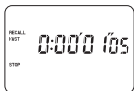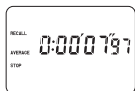
D. STOPWATCH FUNCTION

- In Time/ Calendar mode, press MODE key to switch to Stopwatch mode.
- Before using the stopwatch, be sure to reset the stopwatch to zero by pressing the SPLIT/RESET key.
- Start the stop watch by pressing the START/STOP key, and press the SPLIT/RESET key to record the Lap / Split time. You can pause and resume the stopwatch by pressing the START/STOP key.
- "Lap time" refers to an elapsed time required to cover a given section of the whole distance.
- "Split time" refers to an elapsed time required to cover a distance from the start to a given point.
- The first row of the display will show the Split time, as well as the lap went through (on the top left hand corner). The second row of the display will show the elapsed time of the last lap, and the bottom row show the total time elapsed.

- Press the START/STOP key to finish the timing. To recall the record, press the RECALL key to go through the recorded time data (Both Lap time and Split time) of every lap.

- Whenever RECALL icon appear, you can press the START/STOP key to display the average lap time, and press the SPLIT/RESET key to recall the Fastest lap time, and press the SPLIT/RESET key again to recall the slowest lap time.
- After go through all the data, you can press the MODE key to come back to stopwatch main screen. You can clear the record by pressing the SPLIT/RESET key, or to resume the stopwatch by pressing the START/STOP key again.

Note: Unless starting a new measurement, the stored time data can never disappear; even the number is adjusted to "00".
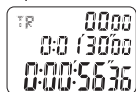
E. COUNTDOWN AND UP FUNCTION

- In Time mode, press the MODE key twice to enter timer mode (timer icon "TR" will appear on the upper left corner).
- You can set the countdown time by long pressing the SPLIT/RESET key. The adjust order is as follow:

  Hour - Minute - Second
- You can press START/STOP key to add 1 to it, and it will add automatically by pressing and holding the START/STOP key.
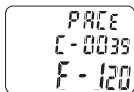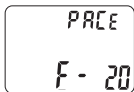
- After setting, press the MODE key to confirm the setting. Your target countdown time will be shown in the middle line and the bottom line of display.
- Press the START/STOP key to start, and press it again to stop / pause / resume it.
- When the timer reaches zero, there will have audio signal "beep" sound to alert you, and the memory will add on forward. The no. of countdown time period passed by will show on the top row of display.

- After finish the countdown timer, long press the SPLIT/RESET key, then press MODE to clear the setting.

F. PACER FUNCTION

- In Time mode, press the MODE key three times to enter PACER mode ("PACE" will be display on the top row).
- The digits on the lower corner will be flashing. Press the SPLIT/RESET key to select the frequency of the speed as follow:
  10,20,30,40,60,80,120,160,240,320.
- Press START/STOP key to start the pacer. If you choose 120, there will be 120 "Beep" sound per minute.
- PACE will be flashing on the upper row, and the counted value of beep will be shown on the middle row and the frequency will be on the bottom row. Press the SPLIT/RESET key to clear the count value when you stop the pacer function. Please note that the pacer data will not be stored if you exit the pacer mode.

G.CARE OF YOUR WATCH

- Never attempt to disassemble or service your stopwatch.
- Protect your stopwatch from extreme heat, shocks and long time exposure to direct sunlight.
- Stopwatch can be wiped clean with a lightly moistened cloth. Apply mild soap to the area if there are stubborn stains or marks. Do not expose your stopwatch to strong chemicals such as gasoline, clean solvents, acetone, alcohol, insect repellents, as they may damage the unit's seal, case and finish.
- Store your stopwatch in a dry place when you are not using it.
- Avoid allowing the stopwatch to come into direct contact with hair liquids,colognes, sun block creams, and other toiletries, which can cause deterioration of the plastic parts of the stopwatch. Whenever the stopwatch comes into contact with these or other toiletries, wipe it off immediately with a dry, soft cloth.

WARRANTY

Sper Scientific warrants this product against defects in materials and workmanship for a period of **one (1) year** from the date of purchase, and agrees to repair or replace any defective unit without charge. If your model has since been discontinued, an equivalent Sper Scientific product will be substituted if available. This warranty does not cover probes, batteries, battery leakage, or damage resulting from accident, tampering, misuse, or abuse of the product. Opening the meter to expose its electronics will break the waterproof seal and void the warranty.

To obtain warranty service, ship the unit postage prepaid to:

SPER SCIENTIFIC
8281 East Evans Road, Suite #103
Scottsdale, AZ 85260

The defective unit must be accompanied by a description of the problem and your return address. Register your product online at www.sperwarranty.com within 10 days of purchase.

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