

Calibration Procedures & Stopwatch – Set Up and Operation

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APPENDIX

Speed-Timing Device

Officer Calibration Procedures

Stopwatch Set Up

Calibration Procedures & Stopwatch - Set Up and Operation

V-SPEC

1. Ensure unit is off
2. Turn **Distance** switch on and turn the unit on
3. Turn **Distance** switch off when prompted, unit should display **Cal Dist** screen
4. Unit will display distance in feet. Use **FCN** button to switch between feet and mile
5. Use **+/-** switch to select the course distance. NOTE: unit displays last course used down to 1/8 mile
6. Drive to first calibration line
7. Turn **Distance** switch on and drive through course, starting and stopping briskly
8. As you drive the unit will display the pulse count
9. Stop at second calibration line
10. Turn **Distance** switch off and unit will display calibration number
11. Press **FCN** to store cal number
12. Return to cal course, drive to first line
13. Turn both **Distance** and **Time** switch on, drive through course
14. Stop at second line
15. Turn both **Distance** and **Time** switch off. Unit will display average speed along with distance traveled and time
16. Distance recall must be within ½ of 1%

Course Distance	Feet/Mile	Tolerance
1/10 mile	528/.1000	.0995 - .1005
1/8 mile	660/.1250	.1244 - .1256
2/10 mile	1056/.2000	.1990 - .2010
1/4 mile	1320/.2500	.2488 - .2512
3/10 mile	1584/.3000	.2985 - .3015

Stationary Mode

1. Use **+/-** switch to adjust distance to desired distance
2. Perform stationary clocks

Calibration Procedures & Stopwatch – Set Up and Operation

V-SPEC (cont'd) Computer Interface –No longer sold by YCG

1. Ensure unit, **Distance** and **Time** switches are off
2. Turn unit on, wait 10 seconds for it to beep, then launch VSPEC software
3. Unit will display **Com Link** and current cal number will appear on computer screen
4. Select **Calibration** on computer and **Distance Calibration** screen will appear
5. Enter course distance in feet/mile in top window
6. Drive to first calibration line
7. Select **Begin**, turn **Distance** switch on and drive through course, starting and stopping briskly
8. Stop at second calibration line
9. Turn **Distance** switch off. Computer screen will display **Calibration Complete** along with cal number
10. Select **Quit** to close calibration screen
11. Return to cal course, drive to first line
12. Turn both **Distance** and **Time** switch on, drive through course
13. Stop at second line
14. Turn both **Distance** and **Time** switch off. Computer screen will display average speed along with distance traveled and time
15. Distance recall must be within ½ of 1%

Course Distance	Feet/Mile	Tolerance
1/10 mile	528/.1000	.0995 - .1005
1/8 mile	660/.1250	.1244 - .1256
2/10 mile	1056/.2000	.1990 - .2010
1/4 mile	1320/.2500	.2488 - .2512
3/10 mile	1584/.3000	.2985 - .3015

Stationary Mode

1. Use +/- switch to adjust distance to desired distance
2. Perform stationary clocks

Calibration Procedures & Stopwatch - Set Up and Operation

VASCAR Plus

1. Ensure unit is off
2. Dial thumb wheels to all 0's and turn unit on. Display will show all 8's
3. Dial thumb wheels to read cal course distance in mile
4. Drive to first calibration line
5. Turn **Distance** switch on and drive through course, starting and stopping briskly
6. Stop at second calibration line
7. Turn **Distance** off, calibration number will be displayed
8. Dial in calibration number using thumb wheels
9. Turn unit off, then back on to store calibration number into memory. Press **Time Recall** to verify cal number. Least significant digit will not be displayed. Example; Cal number is 8120, display will show 00812
10. Return to cal course, drive to first line
11. Turn both **Distance** and **Time** switch on, drive through cal course
12. Stop at second line
13. Turn both **Distance** and **Time** switch off, average speed will be displayed
14. Press **Distance Recall** button, distance recall number will be displayed. You must be within $\frac{1}{4}$ of 1% with your recall

Course Distance	Feet/Mile	Tolerance
1/10 mile	528/.1000	.0998 - .1002
1/8 mile	660/.1250	.1247 - .1253
2/10 mile	1056/.2000	.1995 - .2005
1/4 mile	1320/.2500	.2494 - .2506
3/10 mile	1584/.3000	.2993 - .3007

Stationary Mode

1. With unit on, dial thumb wheels to 9 and distance desired
2. Press and hold **Distance Recall** and display will flash
3. Dial the most significant digit from 9 to 0
4. Press **Distance Recall** to verify distance dialed in
5. Perform stationary clocks

Calibration Procedures & Stopwatch – Set Up and Operation

VASCAR Plus II

1. Turn unit on by pressing the **On/Off** button. Unit will display all 8's, then after short delay, display will change to time of day
2. Press the **Select** button. Unit will display **PA**
3. Press the **Up Arrow** button until **CAL d** is displayed, then press the **Select** button
4. Set distance of calibration course in mile. If your course distance is already displayed, proceed to step c. If your number is not displayed, start at step a
 - a. Using arrow buttons, set first digit displayed to 0 and press **Select** to advance to next digit
 - b. Continue step a until desired distance is displayed
 - c. After the last number is set press **Select** button, distance displayed will flash
 - d. Press **Store** button, distance is now stored and display will return to time of day
5. Press and hold **D** button until the display goes blank. Release the button and unit will display all 0's. If 0's are not displayed perform following procedure with the vehicle stopped:
 - a. Flip the **Distance** switch on, then off
 - b. Unit will display rolling 0's
 - c. Press **D** button
 - d. Repeat step 5
6. Drive to the first calibration line
7. Turn **Distance** switch on and drive through course, starting and stopping briskly. Unit will count as you drive
8. Stop at second line and turn **Distance** switch off. Unit will display rolling 0's
9. Press **D** button to display distance. If distance is same as course distance entered in step 4, then proceed to step a. If not, proceed to step e
 - a. Press **Select**
 - b. Use arrow keys until **CAL** is displayed
 - c. Press **Select** to display calibration number
 - d. Press **Store** to return to main display. Calibration is now complete
 - e. Press **Select**
 - f. Use arrow keys until **ACAL** is displayed
 - g. Press **Select** to display your calibration number

Calibration Procedures & Stopwatch - Set Up and Operation

VASCAR Plus II (cont'd)

- h. Press **Store** to return to main display
 - i. Unit will now display the course distance
10. Return to cal course, drive to first line
 11. Turn **Both** switch on, drive through cal course
 12. Stop at second line
 13. Turn **Both** switch off, average speed will be displayed
 14. Press **D** button, distance recall number should be within ¼ of 1% of course distance

Course Distance	Feet/Mile	Tolerance
1/10 mile	528/.1000	.0998 - .1002
1/8 mile	660/.1250	.1247 - .1253
2/10 mile	1056/.2000	.1995 - .2005
1/4 mile	1320/.2500	.2494 - .2506
3/10 mile	1584/.3000	.2993 - .3007

Stationary Mode

1. With unit on, press **Select**
2. Press **Up Arrow** until **dis** is displayed, then press **Select**
3. Set distance to distance desired same was as step 4 above
4. Perform stationary clocks

Calibration Procedures & Stopwatch - Set Up and Operation

VASCAR Plus III

1. Ensure unit is off
2. Turn **Distance** switch on and turn the unit on
3. Press **Recall** button to select the course distance. If distance is not in unit:
 - a. Press **Store** button, right three digits will begin flashing
 - b. Press **Store** button to set each digit
 - c. Press **Recall** button to move to next digit
4. Turn **Distance** switch off, display will blink to acknowledge entry of course distance
5. Drive to first calibration line
6. Turn **Distance** on and drive through course, starting and stopping briskly
7. Stop at second calibration line
8. Turn **Distance** switch off. Calibration number will be displayed in **Speed** window. Unit will also show the distance traveled in the **Distance** window
9. Press **Store** button to enter new cal number
10. Return to cal course, drive to first line
11. Turn both **Distance** and **Time** switch on, drive through course
12. Stop at second line
13. Turn both **Distance** and **Time** switch off. Unit will display average speed along with distance traveled and time
14. Distance recall must be within $\frac{1}{4}$ of 1%

Course Distance	Feet/Mile	Tolerance
1/10 mile	528/.1000	.0998 - .1002
1/8 mile	660/.1250	.1247 - .1253
2/10 mile	1056/.2000	.1995 - .2005
1/4 mile	1320/.2500	.2494 - .2506
3/10 mile	1584/.3000	.2993 - .3007

Stationary Mode

1. Turn unit off
2. Turn **Distance** switch on and turn the unit on
3. Press **Recall** button to select distance, then turn **Distance** switch off
4. Perform stationary clocks

Calibration Procedures & Stopwatch – Set Up and Operation

VASCAR Plus IIIc

1. Ensure unit is off
2. Turn **Distance** switch on and turn the unit on
3. Press **Set** button to select the course distance. If distance is not in unit:
 - a. Press **Enter** button, right three digits will begin flashing
 - b. Press **Enter** button to set each digit
 - c. Press **Set** button to move to next digit
4. Turn **Distance** switch off, display will blink to acknowledge entry of course distance
5. Drive to first calibration line
6. Turn **Distance** on and drive through course, starting and stopping briskly
7. Stop at second calibration line
8. Turn **Distance** switch off. Calibration number will be displayed in **Speed** window. Unit will also show the distance traveled in the **Distance** window
9. Press **Enter** button to enter new cal number
10. Return to cal course, drive to first line
11. Turn both **Distance** and **Time** switch on, drive through course
12. Stop at second line
13. Turn both **Distance** and **Time** switch off. Unit will display average speed along with distance traveled and time
14. Distance recall must be within $\frac{1}{4}$ of 1%

Course Distance	Feet/Mile	Tolerance
1/10 mile	528/.1000	.0998 - .1002
1/8 mile	660/.1250	.1247 - .1253
2/10 mile	1056/.2000	.1995 - .2005
1/4 mile	1320/.2500	.2494 - .2506
3/10 mile	1584/.3000	.2993 - .3007

Stationary Mode

1. Turn unit off
2. Turn **Distance** switch on and turn the unit on
3. Press **Set** button to select distance, then turn **Distance** switch off
4. Perform stationary clocks

Calibration Procedures & Stopwatch - Set Up and Operation

Tracker

1. Power unit off
2. Turn **Distance** switch on, press and hold **Mode** button and power on
3. Release **Mode** button when **CAL** is displayed in **Average Speed** window
4. Turn **Distance** switch off
5. Press **Mode** to switch from **Feet** to **Dec**
6. Use **+/-** switch to select desired cal course distance. If distance not preset, press **Mode** so **Distance** window shows **Adj**, then use **+/-** to adjust distance
7. Drive to the first calibration line
8. Turn **Distance** switch on and drive through course, starting and stopping briskly. Unit will count as you drive
9. Stop at second line and turn **Distance** switch off
10. Cal number will be displayed in **Distance** window. Press **Mode** to store and unit will display **Test** then **Pass**
11. Return to cal course, drive to first line
12. Turn **Distance** and **Time** switches on, drive through cal course
13. Stop at second line and turn **Distance** and **Time** switches off
14. Unit will display average speed, time and distance. Distance recall should be within $\frac{1}{4}$ of 1% of course distance

Course Distance	Feet/Mile	Tolerance
1/10 mile	528/.1000	.0998 - .1002
1/8 mile	660/.1250	.1247 - .1253
2/10 mile	1056/.2000	.1995 - .2005
1/4 mile	1320/.2500	.2494 - .2506
3/10 mile	1584/.3000	.2993 - .3007

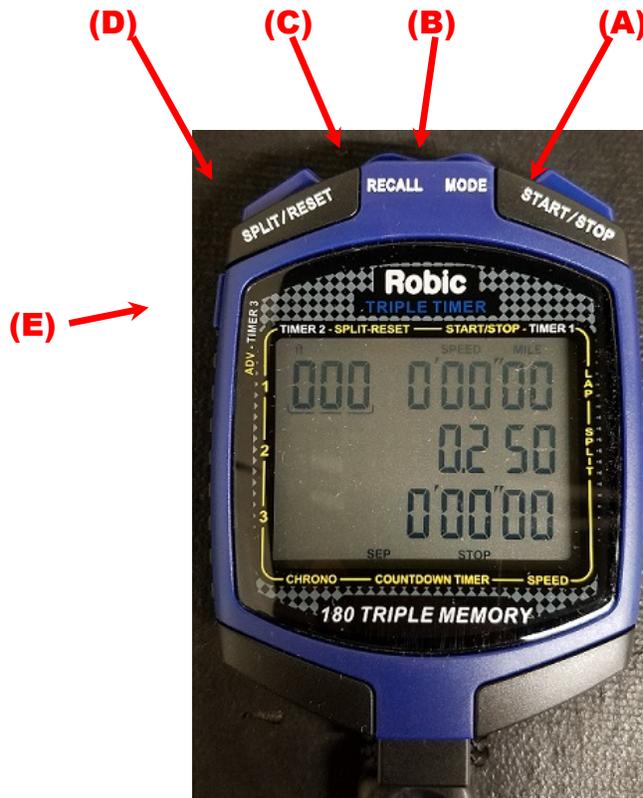
Stationary Mode

1. Use **+/-** switch to adjust distance
2. Perform stationary clocks

Calibration Procedures & Stopwatch - Set Up and Operation

Robic SC-889 & SC-899 Speed Timer

1. It is not necessary to set the time & date to operate the speed timer. Please refer to the manufacturer's user instructions for the operation of the Robic's other functions.
2. The Speed Chronometer will compute and display speed in MPH/KPH as a function of distance and time.
3. To enter the speed mode from normal time, press **(B)** until your Speed Timer displays "Speed", then the face will appear as the diagram below. If the Speed Timer is running, stop timing by pressing **(A)** once. Reset the display to zeros, except distance, by pressing **(D)** once.
4. To activate the backlight, press **(B)** for 3 seconds. **NOTE:** The display may change, so press **(B)** 2 more times to return to speed mode.

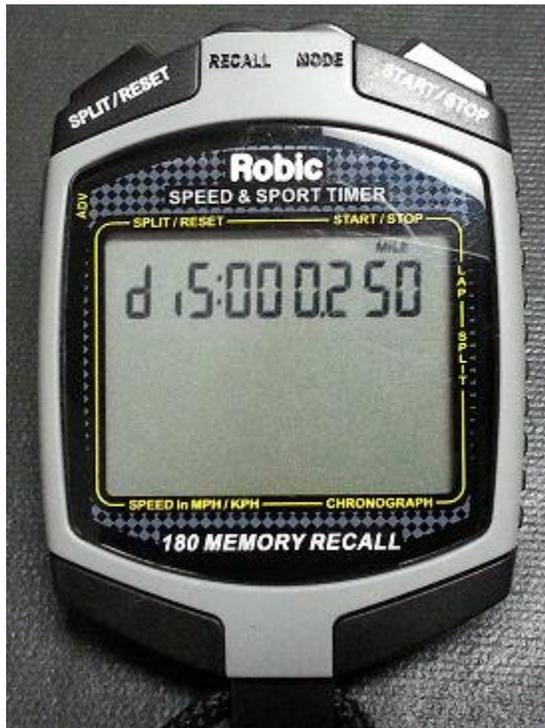


The display above is in the speed-timing mode

Calibration Procedures & Stopwatch - Set Up and Operation

Robic SC-889 & SC-899 - How to Determine and enter the Distance

1. The first step is to enter the distance correctly. **NOTE: The Speed Timer will not work unless a distance is entered.**
2. Distance is entered as the decimal equivalent of a mile or kilometer from 000.001 to 999.999. For example, enter; 3/10 mile = 000.300
300 feet = 000.056
200 feet = 000.037
100 feet = 000.018



To convert feet to decimal equivalent of a mile:

of Feet divided by 5280 Feet (1 mile) = Decimal Equivalent

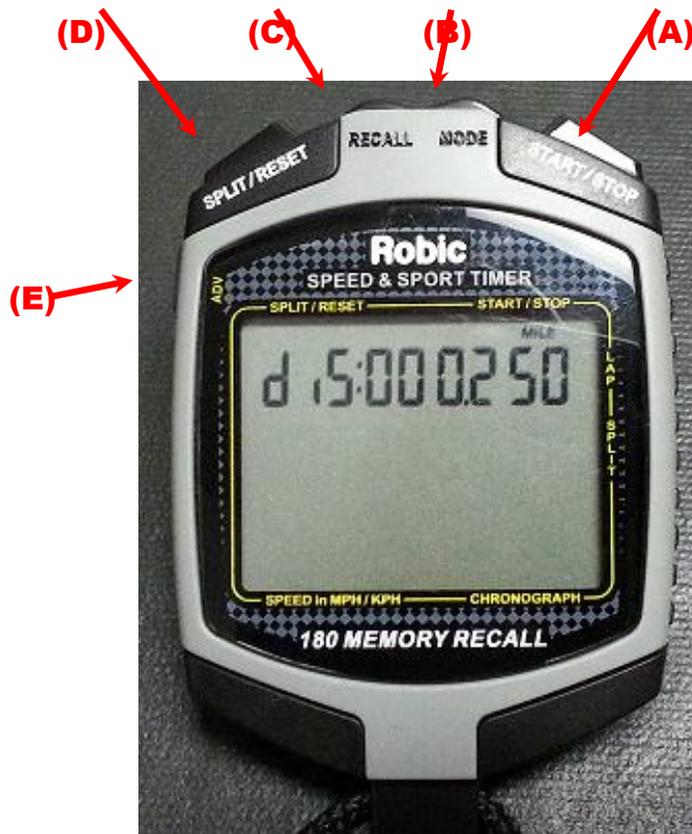
Example: 200 feet / 5280 feet = 0.037878787
200 feet is entered as 000.037

NOTE: The display above indicates 1/4 mile, the math is as follows;
1320 feet / 5280 feet = 0.250

Calibration Procedures & Stopwatch – Set Up and Operation

Robic SC-889 & SC-899 – Enter Distance

1. To enter the distance when the Speed Timer is stopped, press **(D)** once so time resets to zeros and only the distance is displayed. **NOTE:** Distance is displayed on the second row and may be 0.000 if the battery was just replaced.
2. Press and hold **(C)** for 3 seconds until display changes to picture below and “MILE” or “KM” flashes in the top right corner of the display.
3. Press **(E)** until the desired unit of measurement (MILE or KM) appears
4. Press **(B)** and the first digit of the distance scale 000.000 will flash. Advance the digit (0-9) by pressing **(E)** until the desired digit appears, then press **(B)** to move to the second digit. Change the second digit by pressing **(E)** and so on.
5. Continue to set each digit on the distance scale until you have entered the desired distance. The maximum setting distance is 999.999 miles or kilometers. Press **(C)** to end the distance setting process. The distance set will appear and no digits will be flashing.

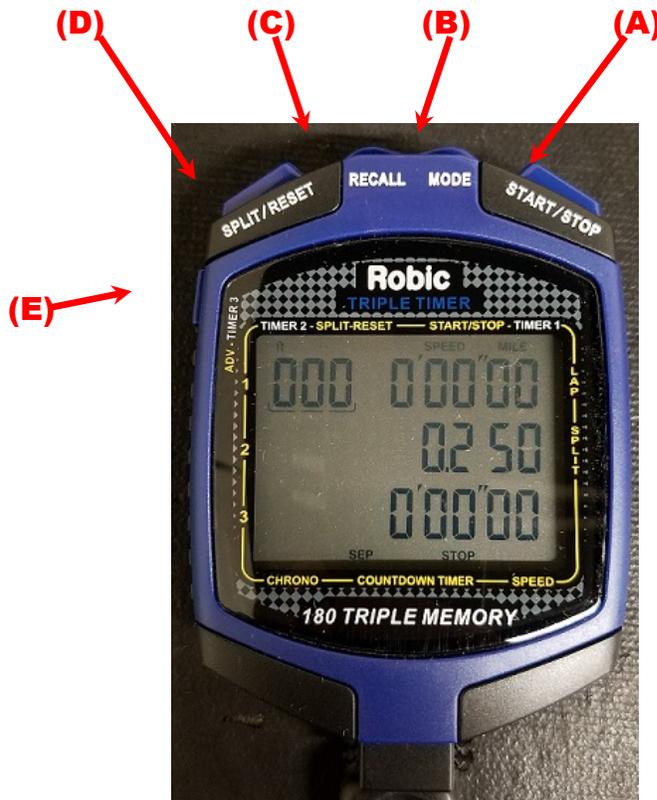


NOTE: Under normal use, the battery in the SC-889 (lithium type CR2032, or equivalent) will power your Speed Timer for 1 1/2 to 2 years. Excessive use of the EL backlight could significantly shorten the battery life.

Calibration Procedures & Stopwatch – Set Up and Operation

Robic SC-889 & SC-899 – Clocking Target Vehicles

1. At your established speed timing zone, set up your watch distance, then get into a position that you can see your target approach & cross your start and stop points giving you time to establish visual tracking.
2. When your target vehicle reaches the first line, press **(A)** to start the timer.
3. When your target vehicle passes the second line, press **(A)** to stop the timer.
4. You can clock up to 999 targets before the unit will automatically restart at zero. At any time you can press **(D)** to reset the counter to 000. The counter appears in the top left counter of the display.
5. After multiple clocks you can recall the clocks as follows: Press **(C)** once to display the **MAX** speed, press **(C)** again to display the **SLOW** speed, press **(C)** again to display the **AVG** speed. Pressing **(C)** again will recall each recorded speed (max of 180 recorded). Press & hold **(C)** to speed up checking. Press **(A)** at any time to continue clocking vehicles. This is an excellent feature for traffic studies.



Calibration Procedures & Stopwatch - Set Up and Operation

Robic SC-800, SC-800EL & SC-808 Speed Timer

1. It is not necessary to set the time & date to operate the speed timer. Please refer to the manufacturer's user instructions for the operation of the Robic's other functions.
2. The Speed Chronometer will compute and display speed in MPH/KPH as a function of distance and time.
3. To enter the speed mode from normal time, press **(E)** until your Speed Timer face appears as the diagram below. If the Speed timer is running, stop timing by pressing **(A)** once. Reset the display to all zeros by pressing **(B)** twice on the SC800 & SC-800EL or once on the SC-808.



The display above is in the speed-timing mode

Calibration Procedures & Stopwatch - Set Up and Operation

Robic SC-800, SC-800EL & SC-808 - How to Determine and Enter the Distance

1. The first step is to enter the distance correctly. **NOTE: The Speed Timer will not work unless a distance is entered.**
2. Distance is entered as the decimal equivalent of a mile or kilometer from 000.001 to 999.999. For example, enter; 3/10 mile = 000.300
300 feet = 000.056
200 feet = 000.037
100 feet = 000.018



To convert feet to decimal equivalent of a mile:

of Feet divided by 5280 Feet (1 mile) = Decimal Equivalent

Example: 200 feet / 5280 feet = 0.037878787
200 feet is entered as 000.037

NOTE: The display above indicates 1/4 mile, the math is as follows;
1320 feet / 5280 feet = 0.250

Calibration Procedures & Stopwatch – Set Up and Operation

Robic SC-800, SC-800EL & SC-808 – Enter Distance

1. To enter the distance when the Speed Timer is stopped, press **(B)** once so time resets to zeros and only the distance is displayed. **NOTE:** Distance is displayed on the second row and may be 0.000 if the battery was just replaced.
2. Press and hold **(F)** for 3 seconds until display changes to picture below and “MILE” or “KM” flashes in the top right corner of the display.
3. Press **(C)** until the desired unit of measurement (MILE or KM) appears
4. Press **(E)** and the first digit of the distance scale 000.000 will flash. Advance the digit (0-9) by pressing **(C)** until the desired digit appears, then press **(E)** to move to the second digit. Change the second digit by pressing **(C)** and so on.
5. Continue to set each digit on the distance scale until you have entered the desired distance. The maximum setting distance is 999.999 miles or kilometers. Press **(F)** to end the distance setting process. The distance set will appear and no digits will be flashing.



NOTE: Under normal use, the battery (lithium type CR2032, or equivalent) will power your Speed Timer for 1 1/2 to 2 years. Excessive use of the EL backlight could significantly shorten the battery life.

Calibration Procedures & Stopwatch - Set Up and Operation

Robic SC-800, SC-800EL & SC-808 - Clocking Target Vehicles

1. At your established speed timing zone, set up your watch distance, then get into a position that you can see your target approach & cross your start and stop points giving you time to establish visual tracking.
2. When your target vehicle reaches the first line, press **(A)** to start the timer.
3. When your target vehicle passes the second line, press **(A)** to stop the timer.
4. You can clock up to 999 targets before the unit will automatically restart at zero. You can at any time press **(B)** (*twice on SC-800 & SC-800EL*) to restart the counter at 000. The counter is displayed in the top left counter the first 3 places.
5. After multiple clocks you can recall the clocks as follows:

SC-800: Press **(F)** once to enter recall mode. Press **(F)** again to go through all you clocks. Press **(D)** to display the **MAX** speed. Press **(C)** to display the **AVERAGE** speed. Press **(A)** at any time to continue clocking vehicles. This is an excellent feature for traffic studies.

SC-800EL: Press **(F)** once to enter recall mode. Press **(F)** again to go through all you clocks. Press **(C)** to display the **AVERAGE** speed. Press **(A)** at any time to continue clocking vehicles. This is an excellent feature for traffic studies.

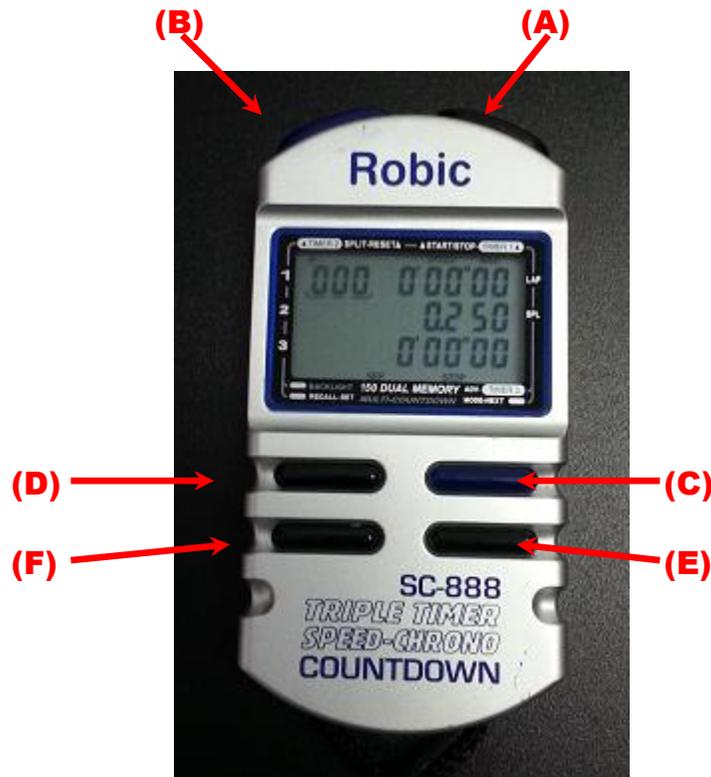
SC-808: Press **(F)** once to display the **MAX** speed, press **(F)** again this will display the **SLOW** speed, press **(F)** again this will display the **AVG** speed. Pressing **(F)** again will recall each recorded speed. Press **(A)** at any time to continue clocking vehicles. This is an excellent feature for traffic studies.



Calibration Procedures & Stopwatch - Set Up and Operation

Robic SC-888 & SC-888W Speed Timer

1. It is not necessary to set the time & date to operate the speed timer. Please refer to the manufacturer's operating instructions for the operation of the Robic's other functions.
2. The Speed Chronometer will compute and display speed in MPH/KPH as a function of distance and time.
3. To enter the speed mode from normal time, press **(E)** until your Speed Timer displays "Speed", then the face appears as the diagram below. If the Speed Timer is running, stop timing by pressing **(A)** once. Reset the display to all zeros, except distance, by pressing **(B)**.



The display above is in the speed-timing mode

Calibration Procedures & Stopwatch - Set Up and Operation

Robic SC-888 & SC-888W - How to Determine and enter the Distance

1. The first step is to enter the distance correctly. **NOTE: The Speed Timer will not work unless a distance is entered.**
2. Distance is entered as the decimal equivalent of a mile or kilometer from 000.001 to 999.999. For example, enter; 3/10 mile = 000.300
300 feet = 000.056
200 feet = 000.037
100 feet = 000.018



To convert feet to decimal equivalent of a mile:

of Feet divided by 5280 Feet (1 mile) = Decimal Equivalent

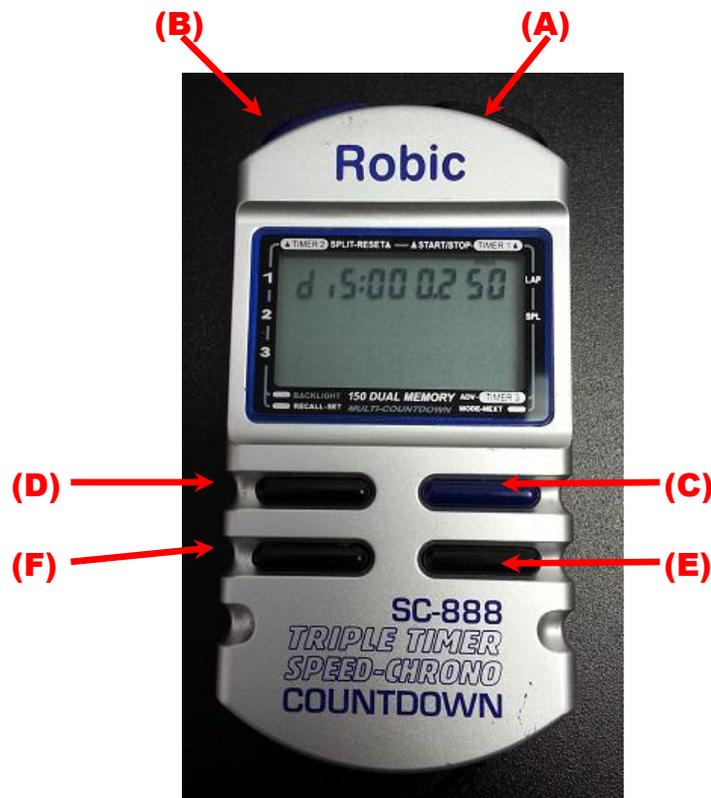
Example: 200 feet / 5280 feet = 0.037878787
200 feet is entered as 000.037

NOTE: The display above indicates 1/4 mile, the math is as follows;
1320 feet / 5280 feet = 0.250

Calibration Procedures & Stopwatch - Set Up and Operation

Robic SC-888 & SC-888W - Enter Distance

1. To enter the distance when the Speed Timer is stopped, press **(B)** once so time resets to zeros and only the distance is displayed. **NOTE:** Distance is displayed on the second row and may be 0.000 if the battery was just replaced.
2. Press and hold **(F)** for 3 seconds until "MILE" or "KM" appears flashing and the top row shows "dis".
3. Press **(C)** until the desired unit of measurement (MILE or KM) appears.
4. Press **(E)** and the first digit of the distance scale, 000.000 will flash. Advance the digit (0-9) by pressing or holding **(C)** until the desired digit appears, then press **(E)** to move to the second digit. Change the second digit by pressing **(C)** and so on.
5. Continue to set each digit on the distance scale until you have entered the desired distance. The maximum setting distance is 999.999 miles or kilometers. Press **(F)** to end the distance setting process. The distance set will appear and no digits will be flashing.

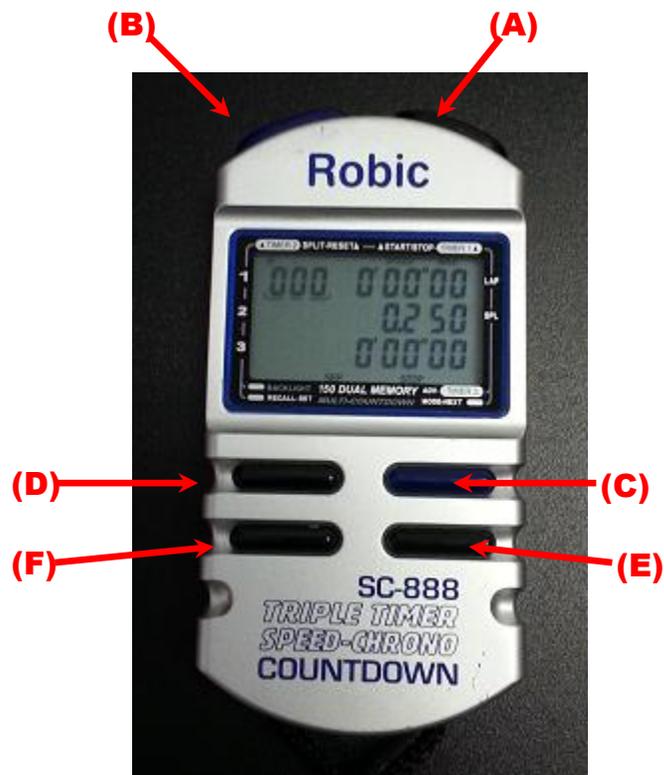


NOTES: Under normal use, the battery (lithium type CR3032, or equivalent) will power your Speed Timer for 1 1/2 to 2 years. Excessive use of the EL backlight could significantly shorten the battery life.

Calibration Procedures & Stopwatch - Set Up and Operation

Robic SC-888 & SC-888W - Clocking Target Vehicles

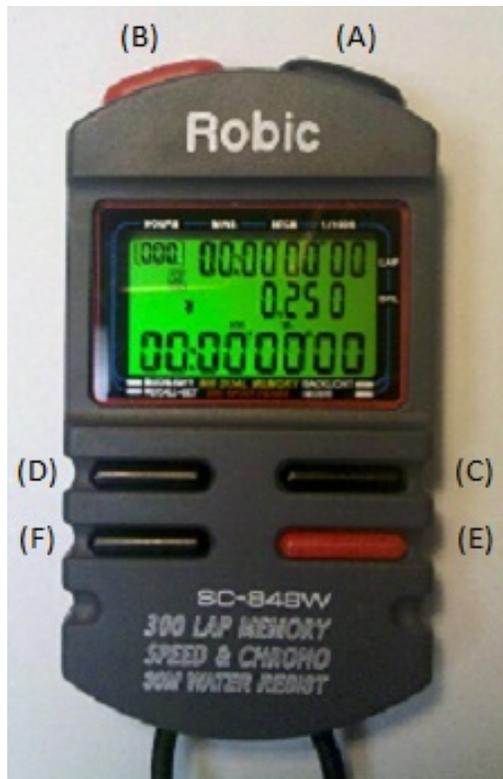
1. At your established speed timing zone, set up your watch distance, then get into a position that you can see your target approach & cross your start and stop points giving you time to establish visual tracking.
2. When your target vehicle reaches the first line, press **(A)** to start the timer.
3. When your target vehicle passes the second line, press **(A)** to stop the timer.
4. You can clock up to 999 targets before the unit will automatically restart at zero. At any time you can press **(B)** to reset the counter to 000. The counter appears in the top left corner of the display.
5. After multiple clocks you can recall the clocks as follows: Press **(F)** once to display the **MAX** speed, press **(F)** again to display the **SLOW** speed, press **(F)** again to display the **AVG** speed. Pressing **(F)** again will recall each recorded speed (max of 150 recorded). Press & hold **(F)** to speed up checking. Press **(A)** at any time to continue clocking vehicles. This is an excellent feature for traffic studies.



Calibration Procedures & Stopwatch - Set Up and Operation

Robic SC-848W Speed Timer

1. It is not necessary to set the time & date to operate the speed timer. Please refer to the manufacturer's user instructions for the operation of the Robic's other functions.
2. The Speed Chronometer will compute and display speed in MPH/KPH as a function of distance and time.
3. To enter the speed mode from normal time, press **(E)** until your Speed Timer displays "Speed", then the face will appear as the diagram below. If the Speed Timer is running, stop timing by pressing **(A)** once. Reset the display to zeros, except distance, by pressing & holding **(B)** for 3 seconds.



The display above is in the speed-timing mode

Calibration Procedures & Stopwatch - Set Up and Operation

Robic SC-848W - How to Determine and enter the Distance

1. The first step is to enter the distance correctly. **NOTE: The Speed Timer will not work unless a distance is entered.**
2. Distance is entered as the decimal equivalent of a mile or kilometer from 000.001 to 999.999. For example, enter; 3/10 mile = 000.300
300 feet = 000.056
200 feet = 000.037
100 feet = 000.018



To convert feet to decimal equivalent of a mile:

of Feet divided by 5280 Feet (1 mile) = Decimal Equivalent

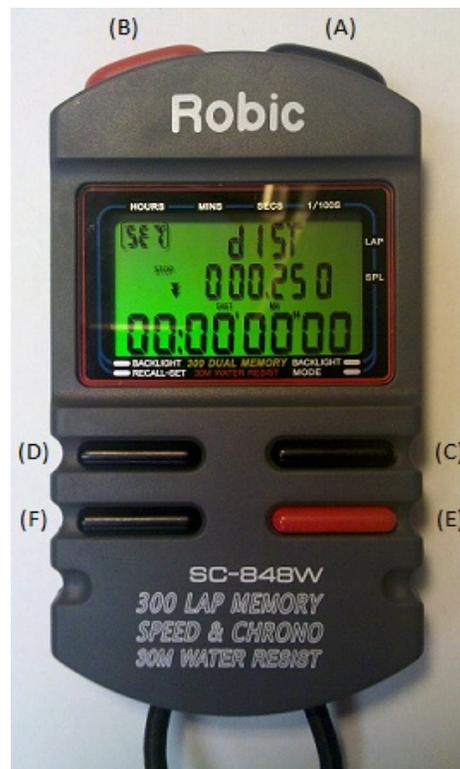
Example: 200 feet / 5280 feet = 0.037878787
200 feet is entered as 000.037

NOTE: The display above indicates 1/4 mile, the math is as follows;
1320 feet / 5280 feet = 0.250

Calibration Procedures & Stopwatch - Set Up and Operation

Robic SC-848W - Enter Distance

1. To enter the distance when the Speed Timer is stopped, press & hold **(B)** for 3 seconds so time resets to zeros and only the distance is displayed. **NOTE:** Distance is displayed on the second row and may be 0.000 if the battery was just replaced.
2. Press and hold **(F)** for 3 seconds until "Unit" appears at the top of the display and "Set" flashes in the top left corner of the display.
3. Press **(A)** until the desired unit of measurement (MI or KM) appears above the time (bottom row of zeros).
4. Press **(B)** and "dist" will appear at the top of the display and the first digit of the distance scale (row 2) 000.000 appears flashing. Advance the digit (0-9) by pressing or holding **(A)** until the desired digit appears, then press **(B)** to move to the second digit. Change the second digit by pressing **(A)** and so on.
5. Continue to set each digit on the distance scale until you have entered the desired distance. The maximum setting distance is 999.999 miles or kilometers. Press **(F)** to end the distance setting process. The distance set will appear and no digits will be flashing.



NOTES: Under normal use, the battery in the SC-848W (lithium type CR3032, or equivalent) will power your Speed Timer for 1 1/2 to 2 years. Excessive use of the EL backlight could significantly shorten the battery life.

Calibration Procedures & Stopwatch - Set Up and Operation

Robic SC-848W - Clocking Target Vehicles

1. At your established speed timing zone, set up your watch distance, then get into a position that you can see your target approach & cross your start and stop points giving you time to establish visual tracking.
2. When your target vehicle reaches the first line, press **(A)** to start the timer.
3. When your target vehicle passes the second line, press **(A)** to stop the timer.
4. You can clock up to 999 targets before the unit will automatically restart at zero. You can at any time press & hold **(B)** for 3 seconds to reset the counter to 000. The counter appears in the top left counter of the display.
5. After multiple clocks you can recall the clocks as follows: Press **(F)** to display the **FAST** speed, press **(F)** again to display the **SLOW** speed, press **(F)** again to display the **AVG** speed. Pressing **(F)** again will recall each recorded speed (max of 300 recorded). Press & hold **(F)** to speed up checking. Press **(E)** at any time to exit and continue clocking vehicles. This is an excellent feature for traffic studies.

