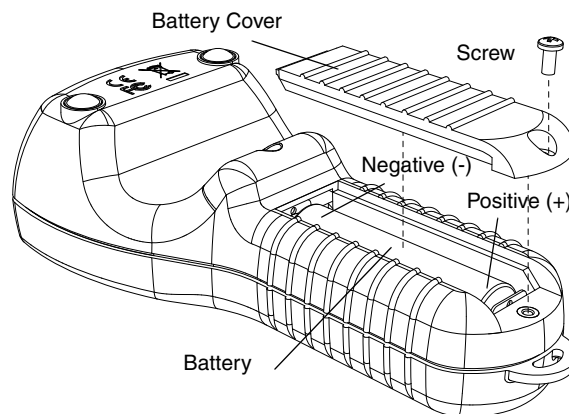




Stopwatch

ME-1234



Introduction

The PASCO model ME-1234 is a digital stopwatch designed specifically for science timing, and it can record and recall up to nine event times. It has two display modes ('Decimal Seconds' and 'MM:SS.SS') and operates on a single 'AA' alkaline battery (included). It also has a 'Low Battery' indicator.

Specifications

Timing Accuracy: 0.01 percent of reading or 0.005 seconds, whichever is larger, +/- 1 digit.

Display Resolution: 0.01 seconds up to 59 minutes, 59.99 seconds and 1 second up to 99 hours, 59 minutes, 59 seconds.

Display Area: 47 mm by 20 mm.

Power Requirement: One 'AA' alkaline battery.

Auto-off Feature: Stopwatch powers down after 1 hour if idle, or if maximum display time is reached (either 99:59:59 or 359999s).

Battery Life: About one year of average use.

Environmental: 10 to 50 degrees C; splash resistant.

Installing the Battery

To install the included battery, use a Phillips head screwdriver (#0 size) to remove the screw located near the bottom of the back side of the stopwatch. Lift the battery cover off the battery compartment. Install the "AA" alkaline battery so the negative (-) end presses against the spring at one end of the compartment and the positive (+) end is firmly held at the other end of the compartment. Place the battery cover over the battery compartment and tighten the screw in place (see the diagram).

Button Functions

Press 'ON' to turn on the stopwatch. The stopwatch turns itself off automatically if it's idle for one hour, or if the maximum display time is reached.

Button	Function
START	Clears display to '0.00' and starts timing .
STOP	Stops timing and displays recorded time.
RESET	Stops timing and resets time to 0.00 seconds.
RESET: (Hold ¹)	Stops timing and clears time, last time, and any stored event times.
EVENT	While timing, stores event times .
EVENT: (Hold ¹)	Switches display between 'Decimal Seconds' mode and 'MM:SS.SS' mode ² .
RECALL	Recalls LAST TIME , or recalls events if any events are stored. While viewing event times, scrolls through all stored events.

¹**Hold** means to press-and-hold the button down for at least one second.

²This function is active in all modes except while timing.

Display Modes

When the stopwatch is turned on, the default display mode is 'Decimal Seconds'. The other display mode ('MM:SS.SS') shows minutes, seconds, and hundredths of seconds up to 59 minutes, 59.99 seconds (59:59.99), and then shows hours, minutes and seconds up to 99 hours, 59 minutes, and 59 seconds (99:59:59). Press-and-hold the EVENT button for slightly longer than one second to switch between display modes.



Display modes: Decimal Second (default) and MM:SS.SS

Timing Events

Timing Simple Intervals With the display showing 0.00 second, press START to start timing. Press STOP to stop timing and show the time. Press START again to begin timing a new interval. (Note: The display will clear to 0.00 and start showing the new time.)

Timing two or more intervals will cause the previous interval to be stored as 'LAST TIME'. After you press STOP, press RECALL to display the LAST TIME.

Press-and-hold RESET to cause the stored LAST TIME as well as the displayed time to be set to zero.

Timing Multiple Events After you press START to start timing, press-and-release the EVENT button to store the recorded time as an 'event'. Every time that you press 'EVENT', the number of events that have been recorded is displayed as 'EVENT N' (where N is the event number). EVENT may be pressed up to 9 times before timing automatically stops. Otherwise, press STOP to stop timing.



Example: EVENT 3 is displayed

Press RECALL to view 'EVENT 1'. Press RECALL repeatedly to step through all the stored event times. Press-and-release the RESET button to clear the display. Stored events will be retained. Press START to begin timing again. When you clear the display, 'EVENT (blank)' appears because the '0.00' time in the display is not a stored event time, but the previous events are still in storage. Whenever events are stored using the EVENT button, any LAST TIME that was recorded can no longer be recalled.

Press-and-hold RESET to zero the time display and clear all the recorded event times.

Resetting Events and Last Time Press-and-hold the RESET button for at least one second to reset the time, all the events, and the last time. You can press and hold RESET at any time, even when the stopwatch is timing.

Other

Auto-Off and Battery Life The stopwatch powers down if it is left idle for an hour. Press 'ON' to turn it on again. Although the display will show '0.00', if there are stored event times, 'EVENT' also appears. Press RECALL to see the stored event time(s) or the LAST TIME that was on the display before the 'auto-off'.

NOTE: As long as the stopwatch is counting, the Auto-Off feature is disabled until the stopwatch reaches its maximum count. Storing the stopwatch with the display counting will significantly shorten the battery life. If the stopwatch is counting, press RESET before storing.

If the stopwatch spends most of its time in storage, battery life can be extended to nearly the shelf-life of the battery if the battery is removed before storage and stored separately. This will also keep a leaky battery from damaging the stopwatch.

Low Battery Indicator When 'LOW BATTERY' appears in the upper left corner of the display, press STOP to stop timing. Replace the battery with a new 'AA' alkaline battery. If the battery is not replaced, the display will begin to dim in a short time.

Trouble-Shooting If the display ever seems 'frozen', or if the stopwatch does not operate when a new battery is installed, remove the battery for ten to fifteen seconds and then reinstall the battery. Make sure that the battery polarity is correct.

Technical Support

For assistance with any PASCO product, contact PASCO at:

Address: PASCO scientific
10101 Foothills Blvd.
Roseville, CA 95747-7100

Phone: 916-786-3800 (worldwide)
800-772-8700 (U.S.)

Fax: (916) 786-7565

Web: www.pasco.com

Email: support@pasco.com

Limited Warranty

For a description of the product warranty, see the PASCO catalog.

Copyright

The PASCO scientific 012-10091B *Stopwatch Instruction Sheet* is copyrighted with all rights reserved. Permission is granted to non-profit educational institutions for reproduction of any part of this instruction sheet, providing the reproductions are used only in their laboratories and classrooms, and are not sold for profit. Reproduction under any other circumstances, without the written consent of PASCO scientific, is prohibited.

Trademarks

PASCO and PASCO scientific are trademarks or registered trademarks of PASCO scientific, in the United States and/or in other countries. All other brands, products, or service names are or may be trademarks or service marks of, and are used to identify, products or services of, their respective owners. For more information visit www.pasco.com/legal.