Thank you for purchasing a WD-35002-05 OAKTON 475 memory stopwatch with countdown timer. It features:

- Four stopwatch modes: seconds, decimal seconds with 1/1000 resolution, decimal minutes with 1/10,000 resolution, and elapsed time / time-lapse mode with 1/100 seconds.
- Times, stores, and recalls 500 cumulative and lap splits simultaneously to 1/100 seconds.
- “Split Release” feature unlocks splits after 5 seconds to display current interval time.
- Lap counter to 1000 laps.
- Audible alarm that can be set to sound at a specific time or on every hour.
- 12/24 hour clock with time, date, and year.
- Rugged, ergonomic housing that is watertight to 100 feet.
- Low battery indicator.
- 40” long nylon lanyard.

**Main Function Button Descriptions**

This stopwatch features four main function buttons:

- **SPLIT/RESET/SET button**
- **RECALL button**
- **MODE/SELECT button**
- **START/STOP button**

This stopwatch also features seven modes—press the MODE/SELECT button to scroll through the modes. The stopwatch modes and button functions are described in the charts below.

**Description of the Seven Modes**

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**Alarm Functions**

You can set the alarm to sound for one minute at a specific time. When the alarm is turned on, you will see the alarm indicator (AL) in the lower left corner of the display.

- **How to set audible alarm (alarm set sub mode)**
  1. Press the MODE button until you enter alarm set mode (“AL” appears in the upper left hand corner of the display).
  2. Press the SPLIT/RESET/SET button switch alarm on or off. The (AL) alarm indicator will appear in the lower left corner of the display.

- **How to set hourly chime and 12/24 hour clock**
  1. To turn on and off the hourly chime, press the SPLIT/RESET/SET button. The chime indicator (“CH” will appear when the hourly chime is on.
  2. Press the SPLIT/RESET/SET button to change the seconds to zero.
  3. Press the MODE/SELECT button to select the parameter you want to change. The timer will scroll through seconds, minutes, hours, day, month, day of week, year, then back to seconds. The digits you can change will flash.
  4. Press the SPLIT/RESET/SET key to change each of the parameters.
  5. Repeat step 4 until you have selected the correct time and date.
  6. When you have selected the correct time and date, press the RECALL button to go to the time/calendar display.

- **How to set audible alarm (alarm set sub mode)**
  1. Press the MODE button until you enter alarm set mode (“AL” appears in the upper left hand corner of the display).
  2. Press the SPLIT/RESET/SET button switch alarm on or off. The (AL) alarm indicator will appear in the lower left corner of the display.
  3. Press the SPLIT/RESET/SET button to select between hours and minutes. The digit you can change will flash.
  4. Press the SPLIT/RESET/SET button to change the hour or minute parameter.
  5. When you have chosen the correct alarm set time, press the RECALL button to return to Alarm mode. Make sure alarm is switched on (AL indicator appears) or the alarm will not sound.
  6. When the timer reaches the alarm set time, the alarm will sound for one minute. To stop the alarm from sounding before the full minute has elapsed, press either the SPLIT/RESET/SET button or the START/STOP button.
Countdown Timer Functions

Use this timer to count the time remaining in any countdown activity. You can set the timer for 1/10 seconds, seconds, minutes, and hours. An alarm sounds when the activity time is over.

How to enter countdown timer mode
1. Press the MODE/SELECT button until the display scrolls to the countdown timer mode (TMR appears on the bottom of the display).

NOTE: The upper display shows the preset timer value (this display value remains constant even when the timer is running). The lower display actually counts down the time. The lower display shows the current time.

How to run countdown timer
1. Press the MODE/SELECT button until the display scrolls to the countdown timer mode (TMR appears on the bottom of the display).
2. Press the START/STOP button to run the countdown timer. Press the START/STOP button again to stop the countdown timer. An alarm will sound when the timer runs to zero. The timer will then count down from the preset timer value again.

NOTE: timer will run only if there is a time entered.
3. If you press the SPLIT/RESET/SET button:
   • If timer is running, this button has no function
   • If timer is stopped, this button resets the timer to the preset countdown time
4. If you press the RECALL button:
   • If timer is running, this button has no function
   • If timer is stopped, press and hold for two seconds to enter timer set sub mode. See page for directions on how to set countdown timer.

NOTE: when the countdown timer reaches zero:
• unit beeps once if the preset timer value is less than 1 second.
• unit beeps twice if the preset timer value is less than 1 minute.
• unit sounds a 16 second alarm if the preset timer value is greater than one minute. Press any key to stop this alarm.

How to set countdown timer (timer set sub mode)
1. Press the MODE/SELECT button until the display scrolls to the countdown timer mode (TMR appears on the bottom of the display).
2. Press the RECALL button for two seconds to enter timer set sub mode. The 1/10 seconds digits place will flash.
3. Press the MODE/SELECT button to scroll through 1/10 seconds, seconds, minutes, and hours parameters. The digit you can change will flash.
4. Press the SPLIT/RESET/SET button to change each parameter.
5. After selecting the correct countdown time, press the RECALL button to return to Alarm mode.

Stopwatch Functions

You can set this stopwatch to four timing modes:
• seconds
• decimal seconds (1/100 seconds resolution)
• decimal minutes (1/1000 minutes resolution)
• decimal hours (1/10,000 hour resolution)

How to enter stopwatch mode
1. Press the MODE button until display scrolls to the stopwatch mode best for your application. To differentiate the modes:
   • seconds: only STW appears on display
   • decimal seconds: STW and 1/100S appears on display
   • decimal minutes: STW and 1/1000M appears on display
   • decimal hours: STW and 1/10000H appears on display
2. If the stopwatch is not at 0:00:00, press the SPLIT/RESET/SET button to clear stopwatch.

Start/stop timing
1. To start timing press the START/STOP button.
2. To stop timing, press the START/STOP button again.

NOTE: For time in/time out timing, continue to press the START/STOP button each time you want to time.
3. To clear stopwatch, press the SPLIT/RESET/SET button.

Definitions of cumulative split time and lap split time

Cumulative split time is the time elapsed from the starting point to a specific point.
Lap split time is the time elapsed between one time sequence or interval.

Split timing and multiple split timing
1. Press the SPLIT/RESET/SET button and then the START/STOP button to clear the stopwatch.
2. To start stopwatch, press the START/STOP button.
3. To pause stopwatch, press the SPLIT/RESET/SET button.
   • The cumulative split time is shown on the upper display.
   • The lap split time is shown on the middle display.
   • The timer is still timing. The total elapsed time is shown on the bottom display.

NOTE: After 5 seconds, both the cumulative split time and the lap split time automatically return to “running” time to let you view the current running time of the individual lap.
4. Continue to press the SPLIT/RESET button each time you want to acquire more split times.

NOTE: The stopwatch holds up to 500 split times in memory; see the “Memory Recall” section for directions on how to operate the memory recall function.
5. To stop stopwatch, press the START/STOP button.
6. To clear stopwatch, press the SPLIT/RESET/SET button and then press the START/STOP button.

DO NOT clear stopwatch right away if you want to recall memories!

Memory recall

Memory recall while stopwatch is running
1. Press the RECALL button until the word “RECALL” appears in the upper left display.
2. Continue to press RECALL to recall previous split times. The number of the split time appears in parentheses in the upper left hand corner of the display.
3. Press the SPLIT/RESET/SET button to take the next split time.
4. Press the MODE/SELECT button to return to “running” stopwatch mode.

Memory recall while stopwatch is stopped
1. Press the RECALL button until the word “RECALL” appears in the upper left display.
2. Continue to press RECALL to recall previous split times. Press the RECALL button to recall split times quickly. The number of the split time appears in parentheses in the upper left hand corner of the display.
3. When you have scrolled through all the splits in memory:
   • press the MODE button to return to stopwatch mode.
   • press the RECALL button again to read the fastest, slowest, and average split times.
4. If you pressed the MODE button, press the SPLIT/RESET/SET button to reset stopwatch and clear memory.

Fastest, slowest and average lap split times.
This feature lets you view the fastest, slowest, and average lap split times of the event you are timing. To view this information:
1. Press the RECALL button until the word “FAST” appears in the upper left display. The fastest lap split time is shown in the middle display.
2. Press the RECALL button once more. The word “SLOW” appears in the upper left display. The slowest lap split time is shown in the middle display.
3. Press the RECALL button once more. The word “AVG” appears in the upper left display. The average lap split time is shown in the middle display.
4. Press the MODE button to return to stopwatch mode.
5. Press the SPLIT/RESET/SET button to reset the stopwatch and clear all memory.

Other Functions

Display contrast/brightness
You can adjust the brightness of the display to 15 “levels” of brightness. To adjust the display:
1. Press the MODE/SELECT button until you are in the alarm mode (ALL appears on the upper left hand side of the display).
2. Press the START/STOP button repeatedly to adjust display brightness.

Care of your stopwatch

• This watch can withstand splash, but is not intended for underwater operation.
• A waterproof seal is used to keep out dust and water. This rubber seal deteriorates after long use, and should be replaced every 2-3 years.
• If water or condensation appears within the watch, contact your OAKTON distributor for repairs immediately.
• Avoid exposing watch to extreme temperatures.
• Clean the watch with a soft cloth; either dry or moistened with soap. To avoid surface damage, never use volatile chemicals (such as benzine, thinner, spray cleaners) to clean watch.

Specifications

Timing ranges by stopwatch mode

Seconds: 1/100 sec to 9 hr, 59 min, 59.9 sec
1/100 seconds: 0000.000 to 9999.99 sec
1/1000 minutes: 000.000 to 999.999 min
1/100,000 hours: 0:000.000 to 9:99.9999 hr

Timing capacity: 10 hours

Timing resolution: up to 0.01 sec

Accuracy: 1/100 second per 10 hours

Direction: up or down

Display: alphanumeric triple display, 1/3"H characters

Alarm: 1 min when set for a specific time; brief chime when set to chime every hour

Power: 3.5 V watch battery (included)

Dimensions: 3.25” x 2.2” x 0.75”

Weight: 0.3 lb (0.14 kg)

Warranty

This OAKTON® timer is warranted to be free from significant deviations in material and workmanship for a period of one year from date of purchase. If repair or adjustment is necessary and has not been the result of abuse or misuse within the one year period, please return—freight pre-paid—and correction will be made without charge. We will determine if the product problem is due to deviations or customer misuse. Out of warranty products will be repaired on a charge basis.

Return of Items

Authorization must be obtained from your OAKTON® distributor before returning items for any reason. When applying for authorization, please include data regarding the reason the items are to be returned.

NOTE: WE reserve the right to make improvements in design, construction, and appearance of products without notice.