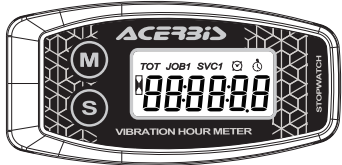


OPERATING INSTRUCTIONS

Vibration Activated Hour Meter



Please read and understand the following notices carefully, and correctly install and operate the product before using.

REMARKS: End-users would better not use buttons frequently or long time in order to prevent hour meter from recording the false running hours due to button operations.



1. Please make sure to refer to the installation instructions in the operating instructions to avoid damage caused by installation errors.
2. The product included the battery inside and can not be replaced, do not disassemble or replace the battery by yourself.
3. Please install the product in a proper location to avoid the possibility of this product being hit and prevent damage to the product.
4. The product has certain waterproof function, but cannot be used in deep water or soaked in rain for a long time.
5. Please use the product at the specified temperature, high temperature environment may cause damage to the product.

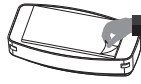
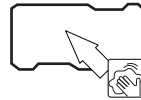
Product Accessories List

1 product*1	2 double-sided tape*1
3 paper card*1	4 user manual*1

Product Installation

This product can be directly installed with double-sided tape, the installation method is as follows:

1. Double-sided tape installation:



- a) Clean properly the surfaces.**
Note: Make sure the surface is flat and the oil is clean enough.
- b) Remove protection from double-sided tape.**
Note: When removing the double-sided tape protector, make sure that the double-sided tape is not exposed to water or oil on both sides.
- c) Stick the double-sided tape on the back of the product.**
Note: Before pasting the double-sided tape, please make sure the back of the product is clean and tidy, without moisture or grease.
- d) Fix the hour meter in a proper position.**
Note: Before pasting the double-sided tape, please confirm that the pasted place is clean and tidy, no moisture or oil.

Proper position requirement: no moisture, no grease, is a plane, no violent vibration, and the temperature not exceed 125°F.

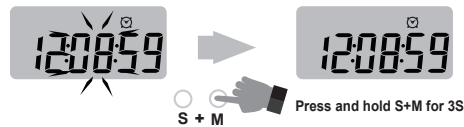
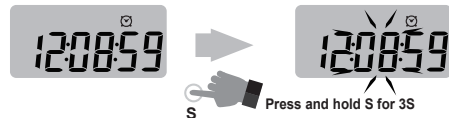
Overall Operation: The interfaces are fixed in the same position when hour meter is working or not working. Users can press button to switch to the required interfaces when needed. It will repeat among these 8 main interfaces alternately.

1. Clock interface

- a) Clock icon shows at Clock Interface, 24H**
- b) Clock range: 23H:59M:59S. Display unit: HH/MM/SS. It will start from 0 when it is over than 23H:59M:59S.**



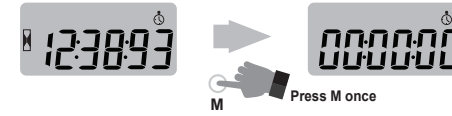
- b) Clock setting:** At clock interface, press and hold "S" for 3 seconds to enter into the setting mode. short press "M" switch between the digits of HH and MM. Short press "S" to increase 1 unit; Press and hold "S" to fast increase. Press and hold both "M" and "S" to confirm the setting and exit the setting. Or it will automatically return to clock status after there is no button operation for 5 seconds.



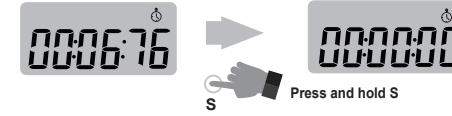
- c) Clock is the first main interface by default.**

2. Stopwatch operation

- a) At clock interface, press "M" button 1 time to enter into Stopwatch Interface.**



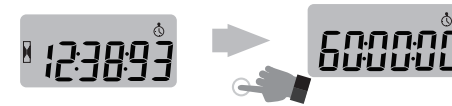
- b) Short press "S" to start the stopwatch. Short press "S" again to pause the stopwatch. When the stopwatch is paused, press and hold "S" to reset the stopwatch to 0.**



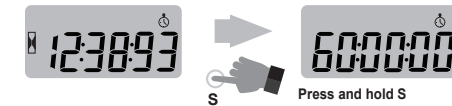
- c) Stopwatch range: 59M:59S:99MS*10. It will automatically start from 0 when it is over 59M:59S:99MS*10.**

3. Countdown Timer Operation

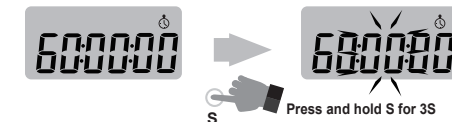
- a) At clock interface, press "M" 2 times to enter into Countdown Timer Interface.**



- b) Short press "S" to start the countdown timer; Short press "S" again to pause the countdown timer. When the countdown timer is paused, press and hold "S" to reset the countdown timer to 60M:00S:00MS.**

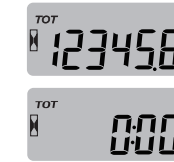


- c) At countdown interface, press and hold "S" for 3seconds to enter into the setting and the digits of MM/SS will flash. Short press "M" to switch the digits between MM and SS. Short press "S" to increase 1 value and press hold hold "S" to increase fast. Press and hold both "M" and "S" to confirm the setting and exit the setting.**



- d) When the countdown timer reaches to 0, the timer will start running to 60M:00S:00MS and flashes all the time.**

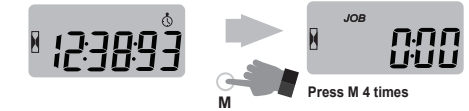
- 4. TOT ---- Total hours of operation. At clock interface, short press "S" 3 times to enter TOT interface.**



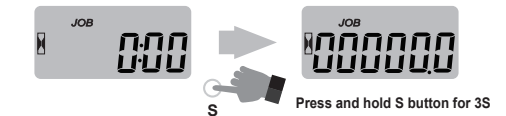
- a) When equipment vibrates, the meter counts running hours.**
- b) Total hours can not reset.**
- c) The total hours max value is 99999.9; When the total hours range is 0.0-9999.59H, the timing accuracy is 1MIN; When the total hours range is 10000-99999.9H, the timing accuracy is 0.1H.**
- d) When the total hours exceeds 99999.9 hours, the timing will restart from 0.**

- 5. JOB ---- At clock interface, short press "S" 4 times to enter into JOB interface. Hours of operation since the timer was reset.**

- To view "JOB" time:** Press the "M" button 4 time at "CLOCK" interface.

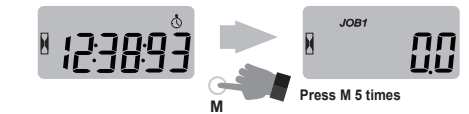


- To reset "JOB" time:** Press and hold "S" button 3 seconds until display shows "0000.00", then release the "S" button, the "JOB" display will reset to "0.0", and you will begin to record the next job interval.



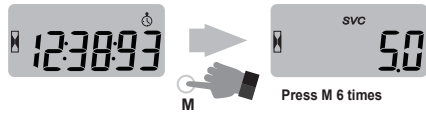
- 6. JOB1 ----At clock interface, short press "S" 5 times to enter into JOB1 interface. Hours of operation since the timer was reset.**

- To view "JOB1" time:** Press the "M" button 5 time at "CLOCK" interface.



- "JOB1" is the same operation for reset as the "JOB".**

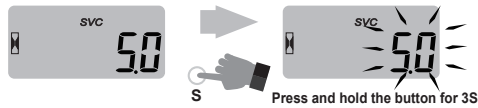
7. SVC ---- At clock interface, short press “S” 6 times to enter into SV interface. Maintenance interval time. Note: timing is countdown.



a) When the maintenance interval time is reached, and the LCD display will flashing, press the “M” button or “S” button to clear the status, the next maintenance interval time starts timing

b) Programming SVC time:

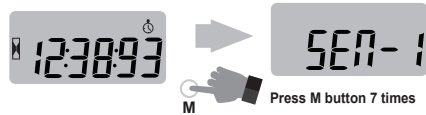
1. Press and hold the “S” button 3 seconds until display shows “OFF” icon and OFF starts flashing



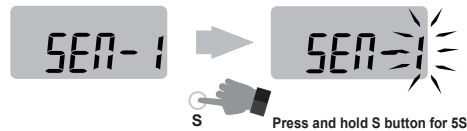
2. Press the “M” button or “S” button until you get desired maintenance hours, release the button, the LCD will flash for 5 seconds and return to “TOT” (Total hours). SVC is off by default.

8. Set Vibration Sensitivity Level.

a) Press “M” button 7 times until display shows “SEN-1” icon.



b) At Sensitivity interface, press and hold the “S” button until display shows “SEN-1” icon starts flashing.



c) Press the “M” button or “S” button until you get desired number, release the button, the LCD will flash for 5 seconds and return to “CLOCK” (clock interface)

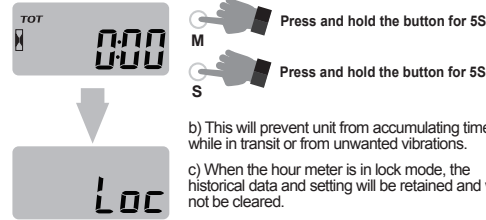
d) The default vibration sensitivity is HIGH(SEN-3); Users can press buttons to switch MEDIUM(SEN-2) or LOW(SEN-1) when needed.

SEN	Sensitivity	Frequency detection range	Applicable equipment
SEN-1	Low	≥32Hz	Suitable for equipment with low vibration
SEN-2	Medium	≥18Hz	Suitable for equipment with medium vibration
SEN-3	High	≥4Hz	Suitable for equipment with high vibration

Note: the strength of vibration is a reference property, some equipment vibration may be low, but the SEN-3 high vibration detection will also get good results

9. Hour meter lock.

a) At any interface, press and hold both “M” button and the “S” button simultaneously until display shows “LOC” icon, release the button, the LCD display will shut down.



b) This will prevent unit from accumulating time while in transit or from unwanted vibrations.

c) When the hour meter is in lock mode, the historical data and setting will be retained and will not be cleared.

d) When hour meter is in LOCK MODE(LOC), press and hold M and S for 3 seconds to turn off LOCK MODE. Clock is the first interface by default when lock mode is turned off.

10. Other

a) About product life

To extend the life of your product, you can apply it as follows:

1. Avoid product are always in a very humid environment—there is a risk of moisture intruding inside the product, causing the product to consume more electricity.

2. Avoid product that are always in a high temperature environment (exceed 125°F) — high temperature environment has the risk of increasing the discharge rate of the internal battery CR2430.

3. Minimize the frequency of button operations—continuous button operation, function switching, the power consumption will increase.

b) About product battery life

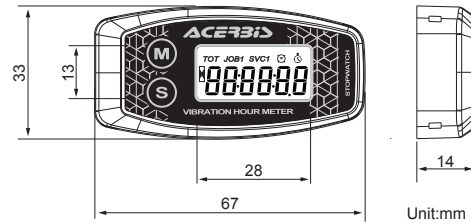
There are several cases about the service life of the battery (this is the theoretical calculation, the actual battery life is related to the applicable conditions):

1. If you use 8 hours per day, do not turn off the display when not in use, the battery life is about 3.5 years.

2. If you use 8 hours per day, turn off the display when not in use, the battery life is about 5 years.

3. If you use 8 hours per day, the battery life is about 1.5 years.

Product Dimension



Unit:mm



Product Specifications

Clock range	23H59M59S
Stopwatch range	59M:59S:99MS*10MS
Countdown Timer range	60M:00S:00MS
TOT/JOB/JOB1 Timing range	0-99999.9H
Timing accuracy	1Min/0.1H
SVC TIMER setting range	0-1000H&OFF
Display mode	LCD
Display window size(visible)	28x13mm
Product size	67x33x14mm
Battery type	CR2430 270mAh
Waterproof level	IP67