

VICTOR 842C Laser Distance Meter User Manual

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Safety regulations

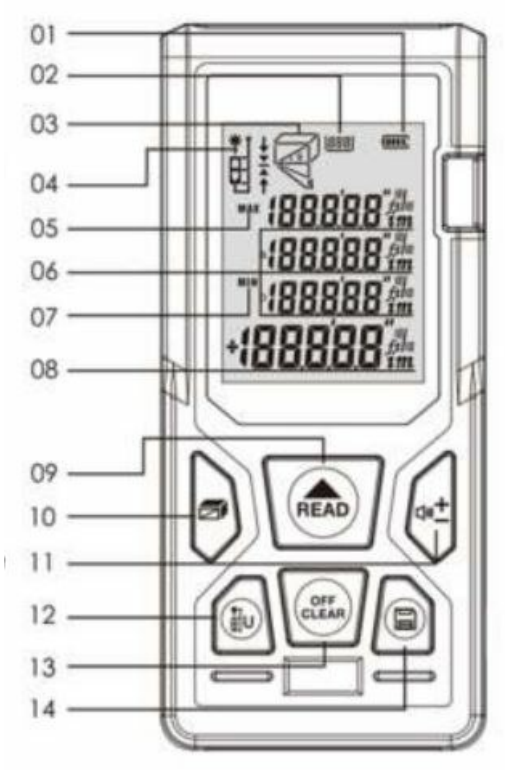
Please read the safety rest Aeolians and operation guide carefully before operating.

⚠ Please read oil of the operational guide and solely regulations in this mount before peloton. improper

operations without complying with this manual guided could cause damage lo the device. Influence on measurement result or bodily injury to the user.
⚠ The instrument is not allowed lo disassemble or repo~ in only ways. It is forbidden lo do any illegal modification or performance change for loser emitter. Please keep ii out of ,each al children and ovoid using by any irrelevant personnel.
⚠ Due to electromagnetic radiothon interference to other equipment. don't use it in inflammable. expose environment.
⚠ Discorded boleros or meter device sham not processed 6ke household garbage, please handle them In tine with related low and regulations.
⚠ Any quality issues of any questions on the meter, please contact local distributors or manufacturer in time. we ore ready to offer solutions for you.

DISPLAY/ KEYBOARD

Display



1. Power Supply
2. Record
3. Area, Volume and Pythagorean
4. Laser on
5. Maximum
6. Auxiliary Display
7. Minimum
8. Major Display

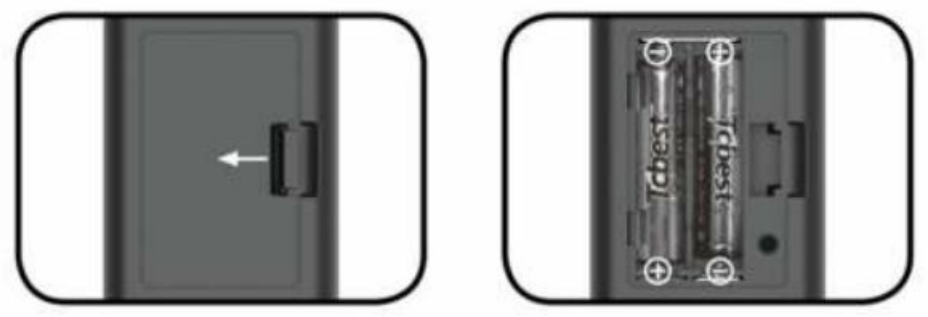
Keyboard

9. Tum on / Measuring
10. Area/ Yd.me/ Pythogcreon Mode
11. Addition& Australian / Sound
12. Reference Point / Unit Switch

13. Tum off / Remove
14. Save

Batteries Installation

• **Battery Installation and Replacement**



Discharge the battery door on the bock of device. and place battery according lo correct p0lorlty, then cover the battery door.
Only 1.5V AAA olkolir>e battery is opted to the meter.
If not used for a long time. please take our the bolter to ovoid battery consoling to meter body.

Start the Instrument / Menu Setting

• **Turn on/off the Instrument**

Under off status,press button [READ] , device and laser get starting simultaneously and stand by for measurement.
Under on status, long press button [OFF CLEAR] for 3 seconds to turn the device off.
The device can also be shut off without any operation for 150 seconds.

• **Unit setting**

Long press button [U] reset current measurement unit, the default unit is:0.000m. There are 6 units for selection

Units:

Length	Area	Volume
0.000m	0.00m²	0.000m³
0.00m	0.00m²	0.00m³
0.0in	0.00ft²	0.00ft³
0.00ft	0.00ft²	0.00ft³
1/16in	0.00ft²	0.00ft³
0'00"1/16	0.00ft²	0.00ft³

- **Changing Reference Point**

Press the key [ ] to change the reference point. The device reference point by default is rear.

- **Back Light On/Off**

The back light is set to turn on and off automaticly.The back light can be on for 15s while operating, and it will be shut off automaticly in15s when there is no operation to the device.

- **Sound on/off**

Long press button [ ] to turn on or off the buzzer.

Self- calibration

This function can keep the precision of the device.
Instruction: Power off, long press button [OFF CLEAR] , and then press [READ] . Release the button [READ] , then "CAL" and a figure shows on the screen. User can adjust the figure with button [ ] [ ] according to the accuracy of the meter. Adjusting range: -9 to 9mm,then,press button [READ] to save the calibration result.

Length Measurement & Calculation

- **Single Distance Measuring**

Turn on the laser beam by short press of the button [READ] under measuring mode, Press the button again for single measurement of length, then the measured results displayed in the major display area.

- **Continuous Measruing:**

Long press button [READ] under measuring mode and enter into continuous measuring mode. Maximum measuring result displays in auxiliary display area, present result displays in major display area. Short press button [READ] or [OFF CLEAR] to exit continuous measuring mode.

- **Area Measurement:**

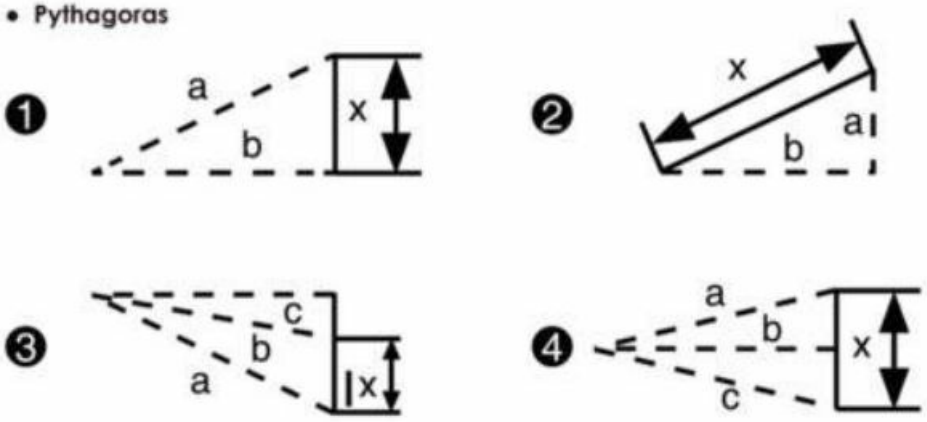
Press button [ ] , [ ] shows on the screen. One of the side of rectangle blinking on the display, please follow the below instructions for area measuring:
Press [READ] once for length.
Press [READ] again for width.
The device calculates and shows the result in the major display area.

The resent measuring result of length is showed in the auxiliary display area.
Press [OFF CLEAR] , clear off the result and measuring again if necessary.
Press [OFF CLEAR] again to exit the mode.

- **Volume Measurement**

Press button [▭] twice to enter volume measurement mode. A will shows on the top of screen. Please follow the below instruction for volume measuring:
Press [READ] for Length.
Press [READ] again for Width.
Press [READ] thirdly for height.
The device calculates and shows the result in the major display area.
Press [OFF CLEAR] , clear off the result and measuring again if necessary.
Presss [OFF CLEAR] again to exit the mode.

- **Pythagoras**



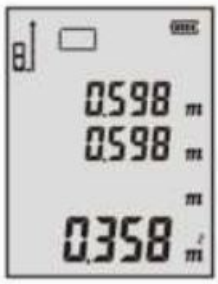
There are four Pythagoras modes in case that user gets hard to reach the target.
1. Calculate the second leg by measuring the hypotenuse and another leg.
Short press [▭] three times to enter Pythagoras mode, the hypotenuse of ◿ blinking.

Press [READ] , measure the length of hypotenuse(a).
Press [READ] , measure the length of one leg(b).
Device calculates the length of another leg(x).
2. Calculate the hypotenuse by measuring the length of two legs.
Short press [▭] four times,when one leg of ◿ blinking.
Press [READ] , measure the length of one leg(a).
Press [READ] , measure the length of another leg(b).
Device calculates the length of hypotenuse(x).

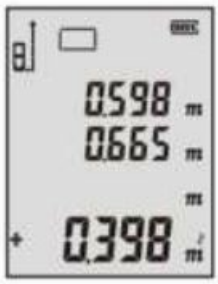
3. Press [⊿] five times till the one side of [△] blinking on the screen.
Press [READ], measure the length of one side(a).
Press [READ], measure the length of the median line(b).
press [READ], measure the length of the another side(c).
Device calculates the length of the leg in full line(x).
4. Press [⊿] six times till the hypotenuse of [△] blinking on the screen.
Press [READ], measure the length of one hypotenuse(a).
Press [READ], measure the length of another hypotenuse(b).
Press [READ], measure the length of one leg (c).
Device calculates the length of the leg in full line (x).
Legs must short than hypotenuse,or there will be "err" shows on screen. In order to gugrantee the accuracy, please make sure all measurements are start from the same point.

- **Addition / Subtraction**

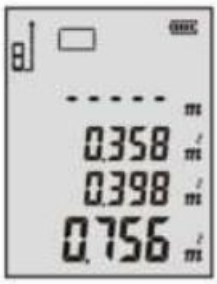
The device can be used for length addition and subtraction, Press [+/-] to select the function once get the length measuring result.
Short press [+/-], "+" shows in the major display area, entering cumulation mode. Value of last measurement and the result of culmulation will be showed on the screen.
Pree button [+/-] again, "-" shows in the major display area, entering regressive mode. Value of last measurement and the result of cumulation will be showed on the screen.
Do round-robin selection between continuous addition and continuous subtraction by pressing button [+/-].
Not only length can be caculated in addition and subtraction, but area and volume can do the caculation as well. Take area as sample:
Area cumulative function: Measure the first area as showing in PIC1. Then press button [+/-], and measure the second area as showing in PIC2, there is a "+" in the left bottom. At last, press button [READ] to get the summation result of these two areas which is showing in PIC3.



PIC1



PIC2



PIC3

Record Function

Long press button [M] for 3s to record your measuring result under measuring mode.
It can also record the result under Area, Volume and Pythagoras mode. All the calculating records can be saved by the device.

Read/Delete the Record:

Short press button [M], read the records by press button [+] [▭]. Short press to [OFF CLEAR] delete recent record and long press [OFF CLEAR] to clear up all the records. Press [READ] or [M] to exit record mode.

Tips

You may get some warning information as below:

Info message	Cause	Solution
Err	Out of distance measurement range	Use the device within the range
Err1	Signal is too weak	Chose the surface with stronger reflectance. Use the reflecting plate.
Err2	Signal is too strong	Chose the surface with weaker reflectance. Use the reflecting plate.
Err3	Low battery voltage	Change the power supply
Err4	The working temperature is out of working range	Use the device in the specified temperature
Err5	Pythagoras measuring error	Re-measure and ensure that Hypotenuse is bigger than Cathetus.

Technology Specifications

ITEM	Specifications
Working Range	50m/70m/100m/120m
Distance measurement precision	±2mm
Measurement unit options	m/in/ft
Continuous measurement function	yes
Outdoor target reflection board	no
Area measurement function	yes
Volume measurement function	yes
Pythagorean proposition measurement function	Full mode
Add and subtract measurement function	yes
Min/Max value	yes
Max storage	99 units
Automatic backlight	yes
Buttons/keys sound	yes
Laser level	II
Laser type	635nm,< 1mW
Automaticallly cut off laser	20s
Automatic shutdown	150s
Storage temperature	-20℃~60℃
Working temperature	0℃~40℃
Battery	1.5V 2*AAA
Battery life	8000 times for single measurement
Weight(including battery)	110g
Dimension	112*50*25mm

Note: Use o target plate to increase the measurement range during daylight or ii the target has poor reflection properties.

Instrument Maintenance:
The meter should not be stored In high temperature and strong humidity environment for long time; if ii is not used very often. please take out the battery and place the meter in the allocated potable bog and store in cool and dry place.
Please keep the device surface cleaning. Wet soft cloth is applied lo clean dusk, but erosion liquid is never allowed to use for the meter maintenance. Loser output window and Its focus lens con be maintenance according to maintenance procedures for optical device.

Delivery Package

Please check if the accessories ore completed according to the below list.

NO	Item	Unit	QTY	Note
1	Laser distance meter	pc	1	
2	Power supply AAA	pc	2	
3	Use's manual	pc	1	
4	Portable bag	pc	1	
5	Hand strap	pc	1	
6	Giftbox	pc	1	
7	Reflector	pc	1	Just available for 100m

Documents / Resources

	VICTOR 842C Laser Distance Meter [pdf] User Manual 842C, 842A, 842D, 842B, 842C Laser Distance Meter, Laser Distance Meter, Distance Meter, Meter

References

- User Manual

Manuals+, Privacy Policy