DISPLAY/KEYBOARD

● Display

Power Supply

Record

Area, Volume and Pythagorean

Laser on

Maximum

Auxiliary Display

Minimum

Major Display

Turn on/Measuring

Addition

Subtration horn

Area/Volume/ Pythagorean Mode

Save

Reference Point/ Unit Switch

Turn off/Remove
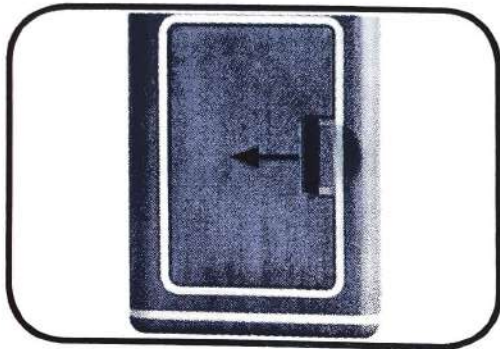
(1)
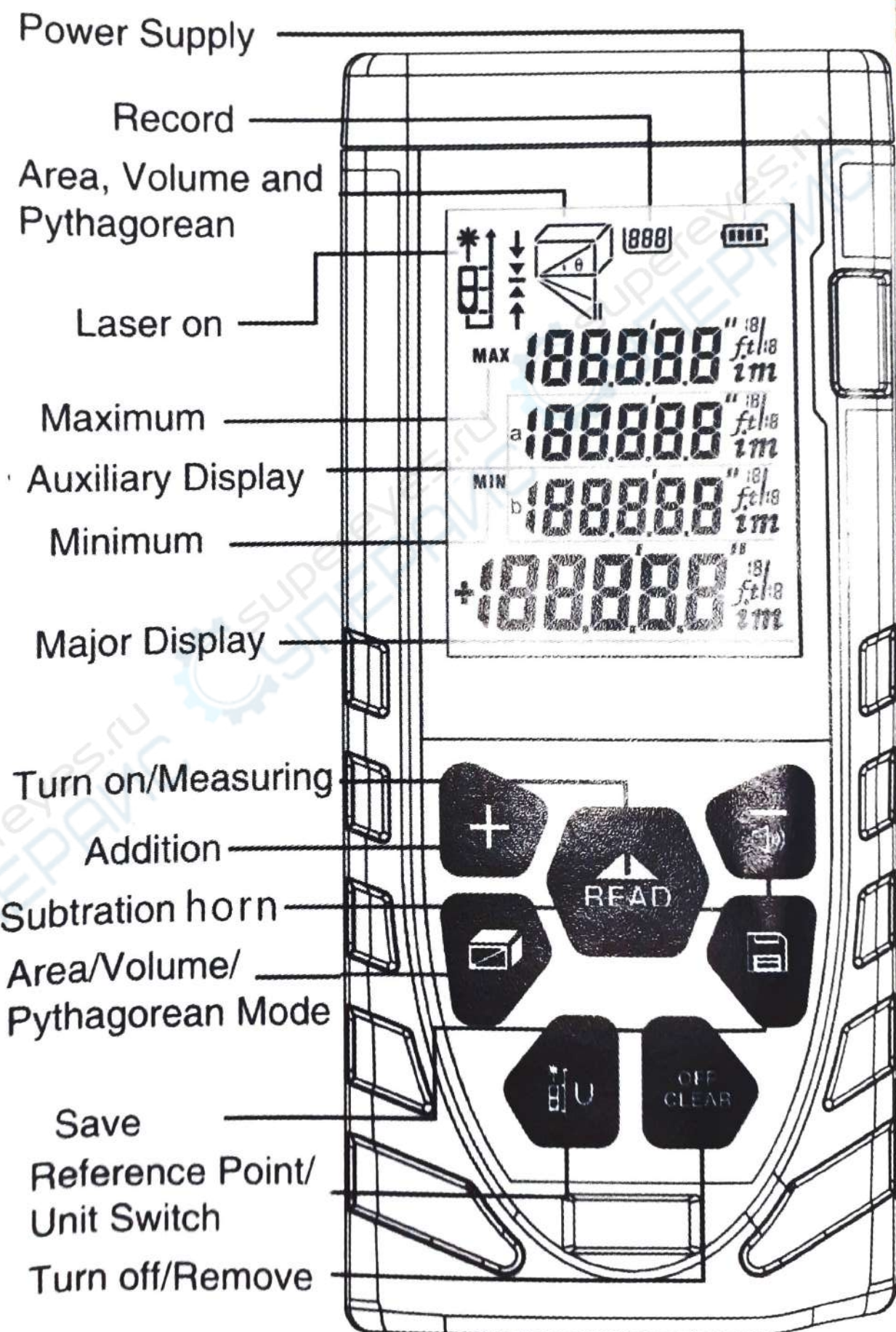
Batteries Installation

- **Battery Installation and Replacement**
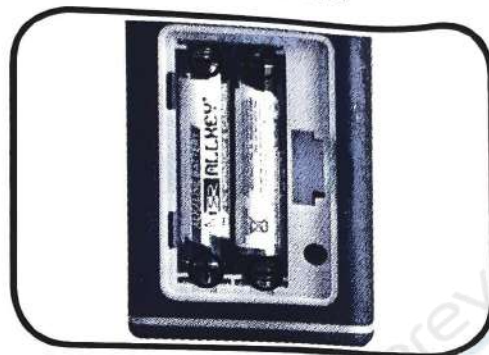
- Discharge the battery door on the back of device, and place battery according to correct polarity, then cover the battery door.
- Only 1.5 V AAA alkaline battery is applied to the meter.
- If not used for a long time, please take out the battery to avoid battery corrosion to meter body.

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 🔘, reset current measurement unit, the default unit is: 0.000m

  There are 6 units for selection

Units:

Length	Area	Volume
0.000m	$0.000m^2$	$0.000m^3$
0.00m	$0.00m^2$	$0.00m^3$
0.0in	$0.00ft^2$	$0.00ft^3$
0.00ft	$0.00ft^2$	$0.00ft^3$
0 1/16 in	$0.00ft^2$	$0.00ft^3$
0'00'1/16	$0.00ft^2$	$0.00ft^3$

• Changing Reference Point

Press 🔘 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 operatiing,
and it will be shut off automaticly in 15s 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 🔘 ,and
then press 🔘.Release the button 🔘, then
"CAL" and a figure shows on the screen. User can
adjust the figure with button 🔘 🔘 ccording to the
accuracy of the meter. Adjusting range: -9 to 9mm,
then, long press button 🔘 to save the calibration
result.

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Length Measurement & Calculation

- **Single Distance Measuring:**

  Turn on the laser beam by short press of the button ⬆️(READ) under measring mode, press the button ⬆️(READ) again for single measurement of length, then the measured results displayed in the major display area.

- **Continuous Measuring:**

  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 botton ⬆️(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.

The device calculates and shows the result in the major display area.

Press OFF/CLEAR, clear off the result and measuring again if necessary.

Press OFF/CLEAR again to exit the mode.

● 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 cumulation will be showed on the screen.

Press 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.

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Do round-robin selection between continous 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
0.598 m	0.598 m	- - - m
0.598 m	0.665 m	0.358 m
		0.398 m
0.358 m²	+ 0.398 m²	0.756 m²

Record Function

Long press button 💾 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 💾 , read the records by press button ◁± 🗑 . Short press 🔘 to delete recent record and long press 🔘 to clear up all the records. Press (READ) or 💾 to exit record mode.

Technology specifications:

ITEM	Specifications
Distance measurement precision	±2mm
Measurement unit options	m/in/ft
Continuous measurement function	yes
Outdoor target reflection board	no
Area measuremen function	yes
Volume measurement function	yes
Pythagorean proposition measurement function	Full mode
Add and subtract measurement function	yes
Min/Max value	yes
Max storage	30 units
Automatic backlight	yes
Buttons/Keys sound	yes
Laser level	II
Laser type	635nm,<1mW
Automatically cut off laser	20s
Automatic shutdown	150S
Storage temperature	-20°C -60°C
Working temperature	0°C -40°C
Storage humidity	RH85%
Battery	1.5V 2*AAA
Battery life	8000 times for single measurement
Weight (including battery)	110g
Dimension	112*50*25mm

Note: Use a target plate to increase the measurement range during daylight or if 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 it is not used very often, please take out the battery and place the meter in the allocated potable bag and store in cool and dry place.

• Please keep the device surface cleaning. Wet soft cloth is applied to clean dust, but erosion liquid is never allowed to use for the meter maintenance. Laser output window and its focus lens can be maintained according to maintenance procedures for optical device.

Delivery Package

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

NO.	Item	Unit	QTY	Note
1	Laser distance meter	pc	1	
2	Power supply AAA	pc	2	
3	User'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