



## Product Overview



Laser emission /  
reception lens



LCD display screen  
(with backlight)



Operation button



Lanyard hole



## Main Parameters

Product type	Portable laser rangefinder
Accuracy	$\pm 2\text{mm}$
Unit	m/in/ft
Operating temperature	0°C-40°C
Storage temperature	-20°C-60°C
Endurance	180mAh/About 3,000 times
Measuring range	0.03-40m
Laser type	Class 2 . 620~670nm,<1mw
charging method	DC 5V <0.2A
warranty period	1 year

## On/Off:

Long switch for about 1.5 seconds



Long switch for about 5 seconds or 45 seconds without operation automatic shutdown



## Measurement:

Single short-twist switch starts measuring again to get the measurement data

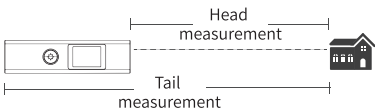



## Switch starting point:


Long switch for 3 seconds in the power on state



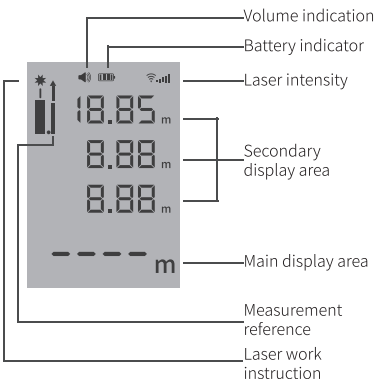
Supplementary explanations before and after the benchmark:



Head measurement icon 

Tail measurement icon 

## Screen Description



In the setting mode, the meaning of the icon:

BOOT	_____	Set mode/status
CRL.	_____	Calibration
BP.ON/OFF	_____	Backlight on/off
BL.ON/OFF	_____	Buzzer on/off
<i>m</i>	_____	Meter (metric unit)
<i>in</i>	_____	Inch (imperial units)
<i>ft</i>	_____	Feet (imperial units)



## Setting Mode

The way to enter the setup mode:

Turn on and keep pressing for 5 seconds

The basic operation logic:

Single short, change setting data/mode

longer short(1 seconds),save the current settings and go to the next setting

Setup Page 1 :

Calibrating the Laser Rangefinder

On this page, the LS1 can be calibrated within  $\pm 7$ mm





## Page 2: Switch LS1 measurement unit

On this setup page, you can change the unit of measure.



The units available for setting are:

*m* , *in* , *ft* , ' " , *in*

## Setup page 3: Turn the backlight on/off

you can set whether or not to display the LCD backlight.



ON / OFF

## Setup page 4: Turn on/off the buzzer

you can set whether the buzzer is turned on.


\* Due to different versions, this feature may not be installed, in order to configure the machine itself prevail.




ON / OFF

Fault type	Possible causes and solutions
Can not boot	<ol style="list-style-type: none"> <li>1. The battery has no power, charge and then try to boot.</li> <li>2. Long switch time is not enough, please confirm Move for more than 1.5 seconds</li> <li>3. Switch or damage, please contact the dealer to solve.</li> </ol>
No backlight	<ol style="list-style-type: none"> <li>1. Set the mode to turn off the backlight by mistake. turn it on.</li> <li>2. The display backlight is damaged, please contact your dealer.</li> </ol>
Large error	<ol style="list-style-type: none"> <li>1. The environment is bad, please add a white reflector.</li> <li>2. Correct calibration accuracy on the settings page</li> </ol>
Unable to charge	<ol style="list-style-type: none"> <li>1. The charging cable is damaged, replace the charging cable.</li> <li>2. The charging module is damaged. please contact your dealer.</li> </ol>
Error code D.E	Measuring distance too close/far
Error code T.L/T.H	The ambient temperature is too low / too high. please warm / cool the equipment
Error code B.L	Battery voltage is too low, please charge
No data	<ol style="list-style-type: none"> <li>1. Laser receiving / emitting head fouling, cleaning treatment</li> <li>2. Rangefinder shaking too large, please stand</li> </ol>


## Usage Notice

 Please read all the terms and operating instructions in this manual carefully before using this product. Failure to follow these safety guidelines and operating instructions may result in hazardous laser radiation damage or personal injury.

 Do not attempt to alter the performance of the laser in any way, which can cause laser exposure to be dangerous. Turn on the laser only when using the instrument, and do not look directly at the laser. Please keep your instrument in a safe place to avoid the use of unrelated personnel.

- Do not intentionally use a laser to illuminate others or beam to objects on highly reflective surfaces.
- Please keep it out of the reach of children.

 Do not repair the instrument without authorization.

 Electromagnetic radiation may interfere with equipment and devices (such as medical instruments such as pacemakers or hearing aids).

Dispose of the discarded instrument in accordance with the laws of your location.



Class 2 safety laser  
But direct view is strictly prohibited