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Portable Laser Rangefinder Parameters User Manual LS1

Portable Laser Rangefinder Parameters

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Product Overview
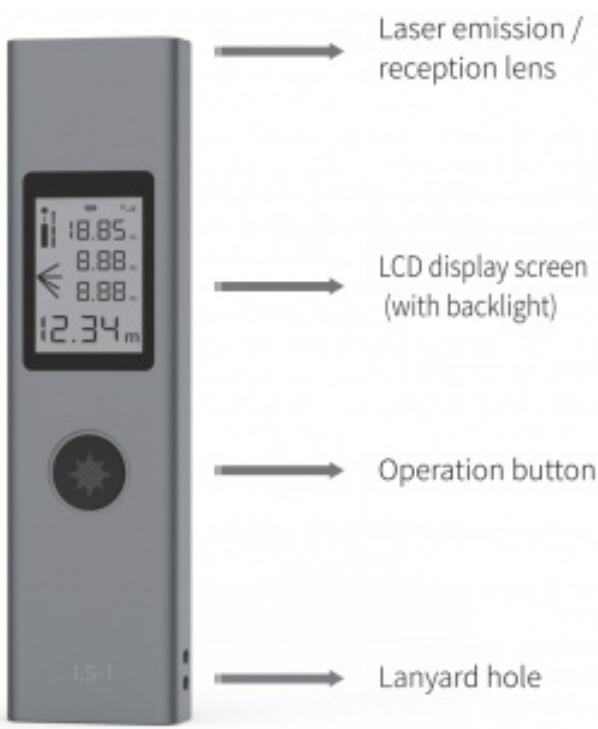
Main Parameters

Product type	Portable laser rangefinder
Accuracy	± 2mm
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	Class2 620~670nm, <1mw
charging method	DCSV
warranty period	1 year

Operation Method

On/Off:
Long switch for about 1.5 seconds

Long switch for about5 seconds or 45 seconds without operation automatic shutdown
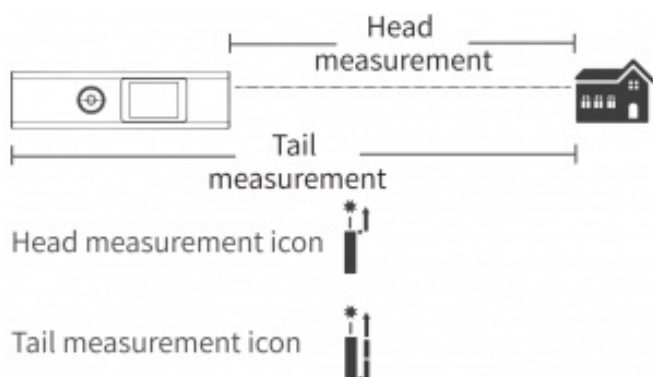

Measurement:
Single short-twist switch.
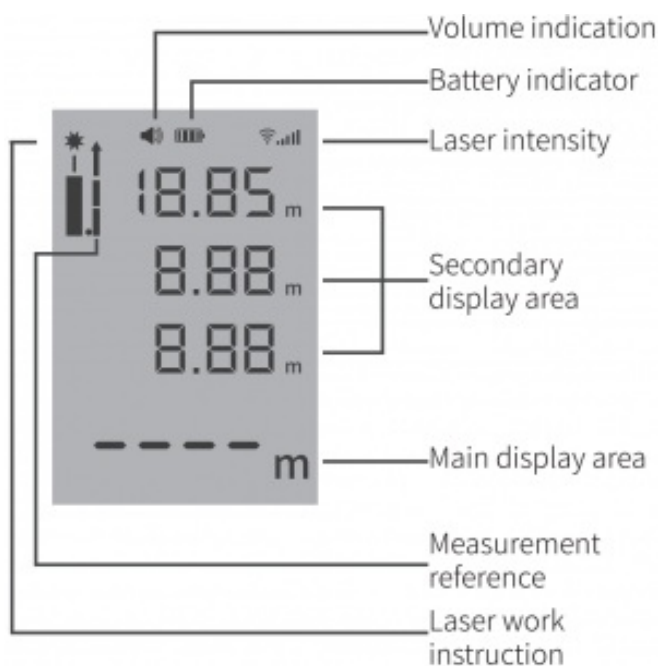starts measuring again to get the measurement data

Switch starting point:
Long switch for 3 seconds in the power on state

Supplementary explanations before and after the benchmark:

Head measurement

Tail measurement

Head measurement icon

Tail measurement icon

Screen Description

Volume indication

Battery indicator

Laser intensity

18.85 m

8.88 m

8.88 m

Secondary display area

- - - - m

Main display area

Measurement reference

Laser work instruction

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
m	Meter (metric unit)
in	Inch (imperial units)
ft	Feet (imperial units)

Setting Mode

The way to enter the setup mode:
Turn on and keep pressing for 5 seconds

The basic operation logic:
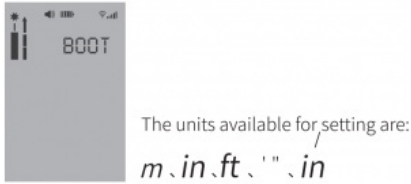Single short, change setting data/mode longer short(l seconds),save the current settings and go to the next setting

Setup Page 1:
Calibrating the Laser Rangefinder
On this page, the LS1 can be calibrated within ±7mm

CRL. 0 —— -7- 0- +7

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.

BP. ON —— 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.

BL. ON —— ON / OFF

Problems /Solutions

Fault type	Possible causes and solutions
Cannot boot	1. The battery has no power, charge and then try to boot. 2. Long switch time is not enough, please confirm move for more than 1.5 seconds 3. Switch or damage, please contact the dealer to solve
No backlight	1. Set the mode to turn off the backlight by mistake. turn it on. 2. The display backlight is damaged, please contact your dealer
Large Error	1. The environment is bad, please add a white reflector. 2. Correct calibration accuracy on the settings page.
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	1. Laser receiving head fouling cleaning treatment 2. Rangefinder shaking too large, please stand

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 other or beam to objects on high 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 strictly prohibited

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