Manuals+ — User Manuals Simplified.

Hototools QWCJY001 Smart Laser Measure Instruction Manual

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Contents

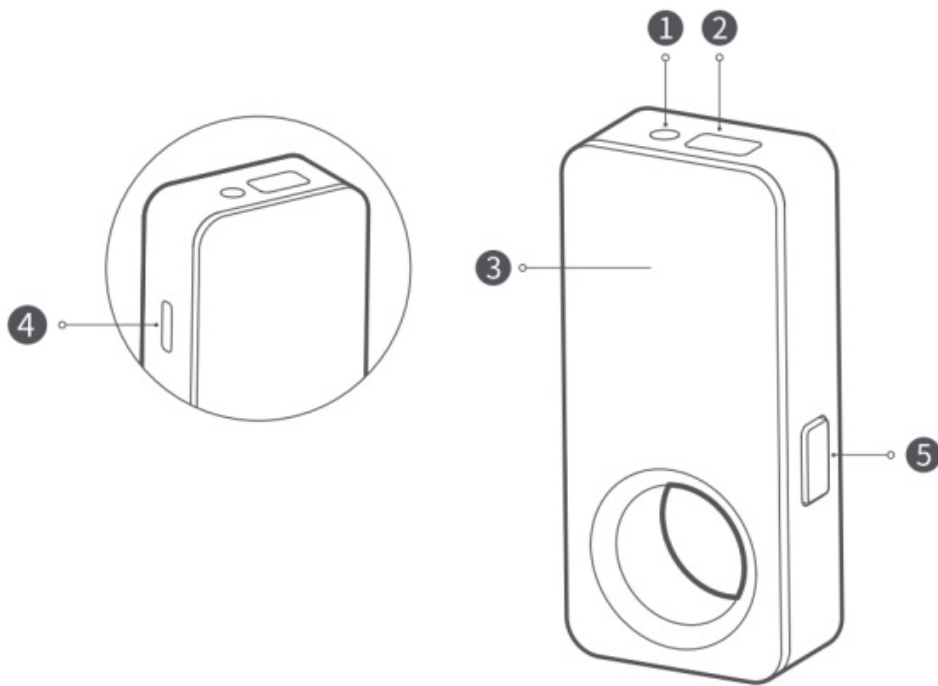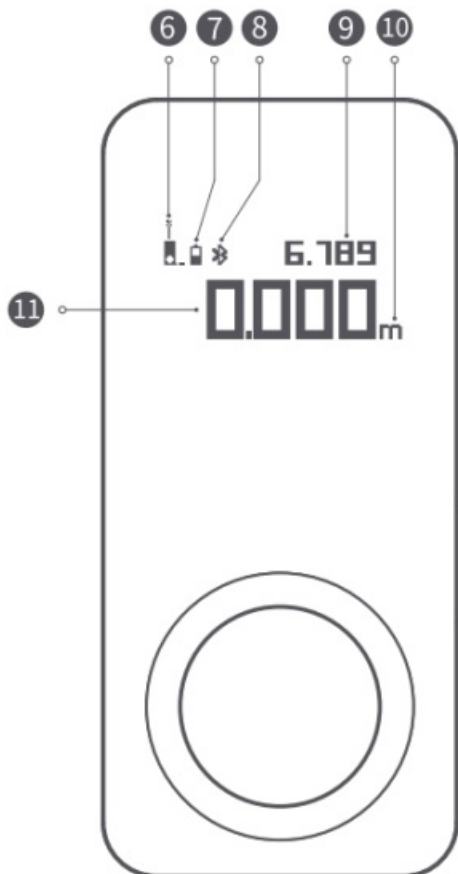## Product Overview

Read this manual carefully before use, and retain it for future reference. Thank you for purchasing the HOTO Smart Laser Measure.

1. Laser Emission Lens
2. Laser Receiver Lens
3. Display
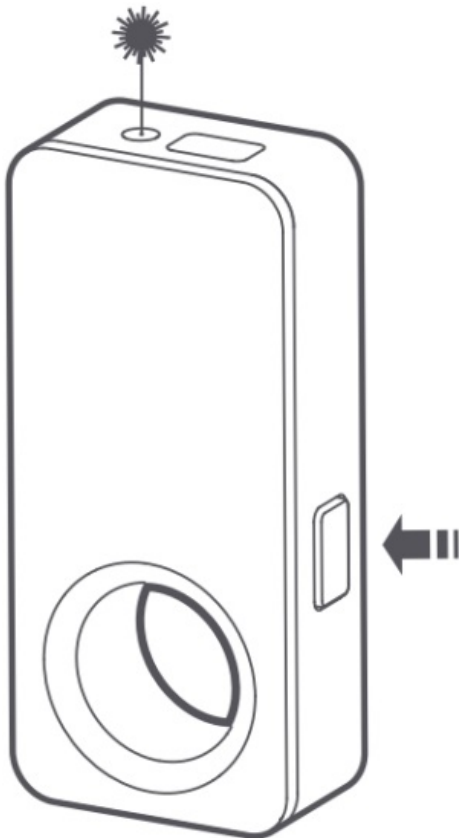4. Type-C Charging Port
5. Power/Measure Button

Screen Display

6. Measuring Basis/Laser Emission Tips

7. Battery
8. Bluetooth
9. Measurement History
10. Measurement Unit
11. Current Measurement Data

How to Use
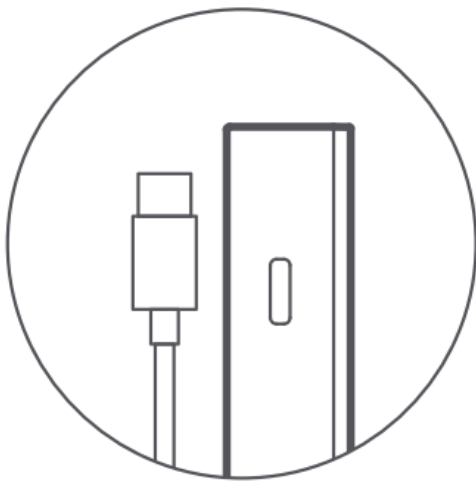
Turning the product on/off

- In the shutdown state, press and hold the power/measure button for 3s to start the product, and the hidden display will light up to enter the test mode.
- In the power-on state, press and hold the power/measure button for 3s to power off the product.
- If no operation is performed within 180s, the product will automatically shut down.

Measurement method

- After starting the product, short press the power/measure button, the product emits laser (if no operation is performed, it will stop laser emission after 30s), then short press the power/measure button again to stop laser emission, and the measured data will be displayed.

Charging

- This rangefinder is equipped with a universal Type-C charging port, and comes with a USB charging cable.
- If it has not been used for a long time, fully charge the product before use.

This product works with Mi Home. You can use the Mi Home app to control "works with Mi Home" for software verification only. Xiaomi is not liable for the production, standard implementation, quality supervision and other aspects of the product and the company.

After connecting per the manual, and HOTO Smart Laser Measure is still not found, please go to My – Settings – Region and Language, modify the region setting to China mainland, and then connect again.

profile

Settings

Region and Langage

Region   Chinese mainland >

Language   English >

Connect to Mi Home app

- Scan the QR code on the right or search for "Mi Home in the APP store to download and install the Mi Home app. If the app has been installed, you will be directed to the device connection page.

Scan to open Mi Home app Search devices automatically

Bluetooth/connection

- The product supports Bluetooth connection. When it is started, Bluetooth automatically turns on with the" "
icon flashing. Then, open the Mi Home app, the product will be automatically connected, with the" " icon always on. If the connection fails within 180s, Bluetooth will automatically turn off to save energy.
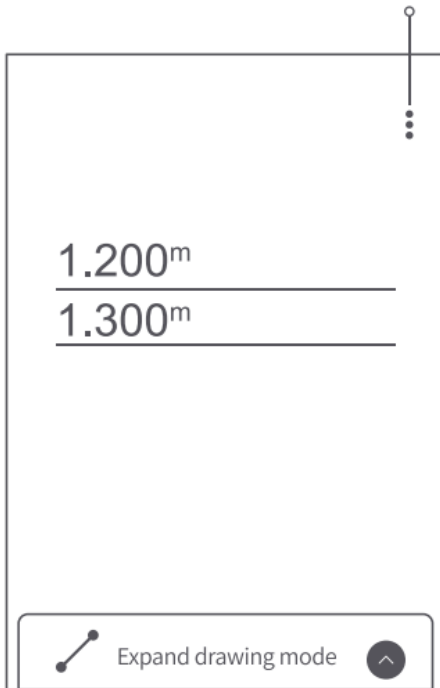
Notes

- If the product QR code cannot be scanned, search for the product name and add it.

In addition, due to updates of the Mi Home app, the actual operation may slightly differ from the preceding description. Please follow the prompts on the app.

Switch reference plane

Product settings

1.200ᵐ
1.300ᵐ

Expand drawing mode

- By default, the reference plane of the product is end reference" ", so please use product end" " as the reference plane.

- To use the front-end reference" ", please switch to it in the product settings in the Mi Home app.

Change measurement units

- The product supports two measurement units, withm" (meter/m) by default.
- To usen" (foot/ft) as the measurement unit, please switch to it in the product settings in the Mi Home app.
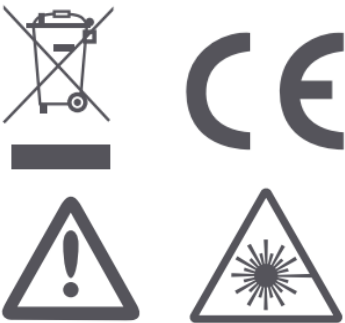
Safety Regulations

Safety terms
Please read the safety terms and operating instructions carefully before first use.

- Please read the operating instructions and safety terms in this manual carefully before using the product. Failure to follow the operating instructions in this manual may cause damage to the product, affect measurement accuracy, and cause personal injury to the user or a third person.
- Do not open or repair the product by yourself in any way, and it is strictly prohibited to illegally reequip or change the performance of the product's laser transmitter. Please keep the product properly. Put it in a place out of the reach of children, and avoid use by unrelated persons.
- It is forbidden to use the product to emit laser on eyes and other parts of the body or the surface of highly reflective objects.
- The product' selectromagnetic radiation may cause interference to other equipment and devices. Please do not use this product near airplanes or medical equipment or in a flammable and explosive environment.
- The used batteries and end-of-life product cannot be discarded with domestic garbage. Please dispose of the used batteries and end-of-life product in accordance with relevant national or local laws and regulations.

- If the product has any quality problem or you have any question about using the product, please contact the local distributor or the HOTO smart manufacturer in time. We will solve your problem as soon as possible.

Thank you for choosing HOTO Smart Laser Measure.

Laser Radiation
Do not stare into beam
Class2 laser product
Maximum output of laser radiation<1mW
wavelength 630-680nm
IEC 60825-1:2014; EN 60825-1:2014

Troubleshooting

Maintenance

- Do not place the product in a high temperature and high humidity environment for a long time. If the product will not be used for a long time, keep it in a normal temperature and humidity environment, and charge it every three months.
- Please keep the product surface clean by wiping the dust on the surface with a damp soft cloth. Do not clean the product with corrosive lotion. The laser window and focus lens can be wiped in the way of wiping optical devices.

Troubleshooting
During use, the following prompt messages may be displayed on the main display area:

Message	Cause	Solution
Lightning logo flashes quickly	Battery icon flashing quickly	Charge the battery
Unable to measure	Too weak information	Measure targets with strong reflection ability
	Too strong information	Measure targets with weak reflection ability
	Out of operating temperature range	Use the product within the specified temperature range
	Out of measurement range	Use the product within the measuring range

Specifications

Model: QWCJY001
Measuring range: 0.05-30m
Measurement accuracy: ±(2mm+d*1/10000*)
Minimum display unit: 0.001m
Measurement unit: m/ft
Laser wavelength: wavelength 630-680nm
Lithium battery: 3.7V ⎓ 200mAh
Display screen: 0.96 inch OLED
Bluetooth transmission distance: approx. 8m
Charging parameters: 5V ⎓ 1A
Working power: 0.7W (MAX.)
Charging Time: approx. 100 min
Automatic shutdown time: 180s
Laser automatic shutdown time: 30s
Operating temperature: -10°C to 50°C
Storage temperature: -20°C to 60°C
Storage humidity: 20%-80% RH
Dimensions: 73 x 33.2 x 16.8 mm
Net weight: approx. 36g

* "d" indicates the actual distance in the indoor standard reflecting surface environment.
* In harsh environments: for example, too strong sunlight, excessive environmental temperature fluctuation, weak reflection of the reflecting surface, and low battery, there may be larger errors in the measurement result. In this case, you are advised to use a target reflector.

Manufacturer: Shanghai HOTO Technology Co., Ltd.
Address: Building 45, No.50 Moganshan Road, Shanghai, China

All products bearing this symbol are waste electrical and electronic equipment (WEEE as in directive 2012/19/EU) which should not be mixed with unsorted household waste. Instead, you should protect human health and the environment by handing over your waste equipment to a designated collection point for the recycling of waste electrical and electronic equipment, appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. Please contact the installer or local authorities for more information about the location as well as terms and conditions of such collection points.

 We Shanghai HOTO Technology Co., Ltd., hereby, declares that this equipment is in compliance with the applicable Directives and European Norms, and amendments.

DECLARATION OF CONFORMITY

EU Declaration of Conformity We

Shanghai HOTO Technology Co., Ltd.

Declare that the product:

HOTO Smart Laser Measure / QWCJY001

Complies with the essential health and safety requirements of the following directives:

2014/30/EU Electromagnetic Compatibility directive and 2014/53/EU Radio Equipment Directive

References to the following harmonized standard were made:

EN 50663:2017
EN 61010-1:2010+A1:2019
EN IEC63000 2018
ETSI EN 301 489-1 V2.2.3(2019-11)
ETSI EN 301 489-17 V3.2.4(2020-09)
ETSI EN 300 328 V2.2.2(2019-07)

2011/65/EU+ (EU) 2015/863 Restrictions of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment

Authorised signatory and technical file holder:

Shanghai HOTO Technology Co., Ltd.
Building 45, No.50 Moganshan Road, Shanghai, China

DECLARATION OF CONFORMITY

**UK
CA**

UK Declaration of Conformity We
Shanghai HOTO Technology Co., Ltd.
Declare that the product:

HOTO Smart Laser Measure/QWCJY001 Complies with the essential health and safety requirements of the following directives:

Radio Equipment Regulations 2017 and Electromagnetic Compatibility Regulations 2016

Compatibility directive References to the following harmonized standard were made:

ETSI EN 301 489-1 V2.2.3(2019-11)
ETSI EN 301 489-17 V3.2.4(2020-09)
ETSI EN 300 328 V2.2.2(2019-07)
BS EN 50663:2017
BS EN 61010-1:2010+A1:2019

Electronic Equipment Regulations 2012 (S.I. 2012/3032) (as amended)
Restrictions of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment

Authorised signatory and technical file holder:
Shanghai HOTO Technology Co., Ltd.
Building 45, No.50 Moganshan Road, Shanghai, China

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Documents / Resources

Hototools QWCJY001 Smart Laser Measure [pdf] Instruction Manual
QWCJY001 Smart Laser Measure, QWCJY001, Smart Laser Measure, Laser Measure

References

- **User Manual**