Thank You for Choosing Our Laser Measure Device!

We appreciate your decision to select our Laser Measure Device. This tool is designed to provide accurate and efficient measurements for a variety of applications.

Before you start using your new device, we recommend taking a moment to familiarize yourself with its features and functions by reading through this manual.

Please visit https://gearxtools.com for manuals in other languages.

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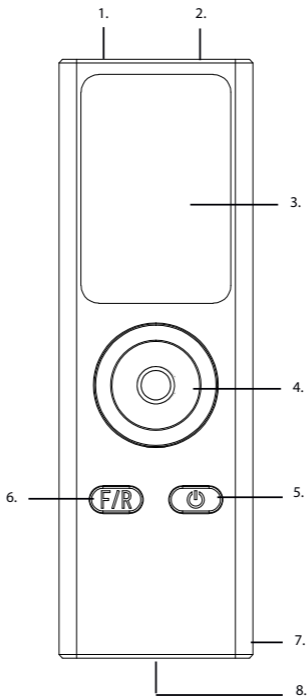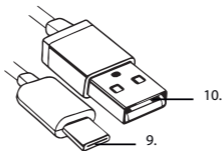
1. LASER RECEIVING LENS
2. LASER EMISSION PORT
3. LCD DISPLAY
4. MAIN BUTTON
5. POWER BUTTON
6. FUNCTION BUTTON
7. LANYARD HOLE
8. TYPE-C CHARGING PORT
9. TYPE-C PLUG
10. USB-A PLUG

SPECIFICATION:

Measurement distance:	0.03-30 meters
Measurement accuracy:	± (2.0mm+5x D)
Measurement unit:	meters/inches/feet
Laser type:	Class2 630-670nm, <1mW
Working temperature:	0-40 ℃
Storage temperature:	-10 ℃ to 60 ℃
Battery:	200mah lithium battery
Max charging current:	DC 5V/1A

Please read the following instructions carefully and follow them to ensure that the product serves you safely and to your full satisfaction.

OPERATION:

1. Avoid direct exposure of your eyes to the red laser light emitted from the laser port. Looking directly at it may cause eye damage.
2. When measuring distance, do not obstruct the receiving lens or the laser emitting port of the rangefinder. Place the rangefinder on a stable surface, such as a fixed baffle or bracket.
3. The rangefinder should not be moved during measurement until the result is displayed on the software interface.
4. The laser's effectiveness in returning (scattering, non-reflection) from the target surface determines its range. Measurement accuracy may be affected when the laser spot falls on the following types of surfaces:

- Transparent surfaces (e.g. water, glass).
- Highly reflective surfaces (e.g. polished metals).
- Porous surfaces (e.g. soundproof materials).
- Textured surfaces (e.g. rough plaster walls, natural stone). If necessary, place reflective target paper (e.g. white paper) on top of these objects.

5. Front/Rear Reference:
   Front/Rear reference indicates whether the body length is included in the measurement data for both methods. Front data excludes the body length, while Rear reference includes the body length.
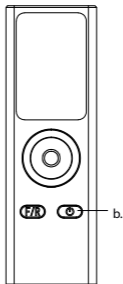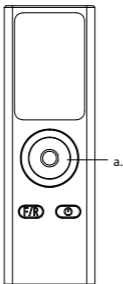
The front reference display is indicated by this:

The rear reference display is indicated by this:

BASIC OPERATION:

a. Press the main button for 0.5 seconds to turn on.
b. Press the power button for 2 seconds to shut down.

Switching front/rear reference:

In the powered-on state, press the function button for about 1 second to switch the reference.

Note: The selection of the reference should be made before the start of the measurement or after the end of a single measurement. Do not switch the reference during the measurement process.
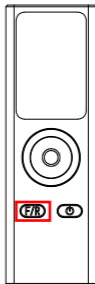
Switching numerical unit:

In the shutdown state, press the main button to turn it on and keep the keys pressed. Wait for about 2 seconds after turning on the device to enter the measurement unit switching state. The unit can be switched between m (meter), ft (feet), and in (inch) in turn.
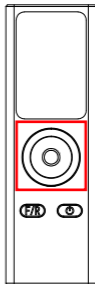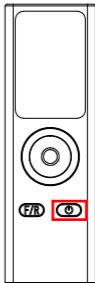
Other operations:

a. Return operation:
Press the shut down button for approximately 0.5 seconds to revert to the previous level of data or mode.

b. LCD backlight control:
Long press the switch button for about 1 second to toggle the LCD backlight on/off.

Simple measurement:

a. Single measurement:
Upon powering on, press the main button for about 0.5 seconds to activate the red measurement laser. Press again briefly to initiate the measurement and display the data. If there is no further operation, the meter will automatically power off after 20 seconds and shut down completely after 60 seconds.

b. Consecutive measurement:
Long press the main button for approximately 1 second to enter consecutive measurement mode. While moving the meter to a new position, real-time distance measurement data will be shown on the screen. In consecutive mode, the meter will automatically display both the maximum and minimum values of the measured data.
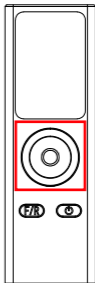
ADVANCED FUNCTION OPERATION:

Switching function mode:

Upon powering on, briefly press the function button for about 0.5 seconds to toggle the function mode. A single press switches to the next function mode.
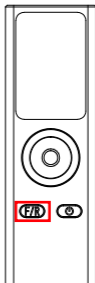
Area measurement:

In this mode, the area can be measured and automatically calculated. Briefly press the main button to record the first measurement data (1), and then briefly press to record the second measurement data (2). The meter will automatically calculate the volume based on these two measurements and display it in the primary display area.

Data [Length]

Data [Width]

Automatic measurement of area data
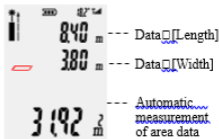
Area measurement symbol:

Volume measurement:

In this mode, the area can be measured and automatically calculated.
Short press the main button to measure data (1), short press again to measure data (2), and short press again to measure data (3). The meter will automatically work out the volume based on these 3 measurements and display it on the primary display area.

Data [Length]
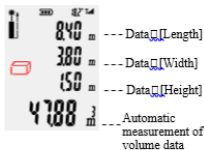
Data [Width]

Data [Height]

Automatic measurement of volume data

Volume measurement symbol:

Primary Pythagorean:

In this mode, the system uses the Pythagorean law a2+b2=c2. The third side measurement data is automatically measured by the two side measurement data.

This mode can calculate the length of the target edge only by running the Pythagorean law once, which is also called Primary Pythagorean mode. Short press the main button to measure data c, and press again to measure data b. After measuring the two data, the meter automatically calculates the length of data a.

840 m ---Data c[Length]

380 m ---Data b[Length]

7491 m --- Data a automatically measured
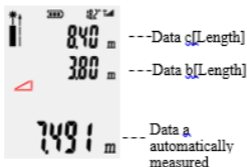
Primary Pythagorean symbol:

The position of laser distance meter is shown as below.
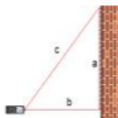
Secondary Pythagorean (Data Addition):

This device can measure height in two segments by taking three measurements. Press the operation key to obtain data c, data b, and data e. The laser will automatically calculate the length of data (a1 +

5.00 m	--- Data/length
3.00 m	--- Data/length
5.00 m	--- Data/length
8.00 m	--- Data (a1+a2) automatically measured

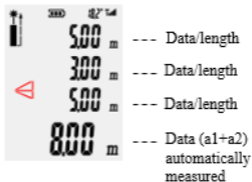Secondary Pythagorean symbol (data addition):

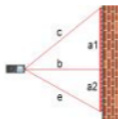The position of laser distance meter is shown as on the left.

Secondary Pythagorean (Data Subtraction):

This device can measure height in two segments by taking three measurements. Click the operation key to obtain data e, data b, and data c; the laser will automatically calculate the length of data a.

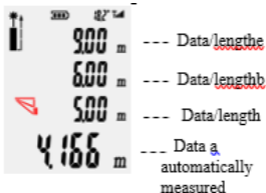**9.00** m --- Data/lengthe

6.00 m --- Data/lengthb

5.00 m --- Data/length

4.166 m --- Data a automatically measured

Secondary Pythagorean (data subtraction):

The position of laser distance meter is shown as on the left.
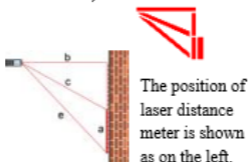
(Optional-only the model with tilt senser) One-key angle height measurement:

In this mode, the system uses the built-in angle sensor and uses the Pythagorean law to measure, short press the key to measure the length D, the angle θ, shortest distance a and object height b can be

1.260 m	--- Data/length
0.790 m	--- Data/length
32.1°	--- Angle θ
1487 m	--- Data/length D
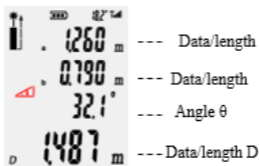
Primary Pythagorean and Angle measurement symbol:

The position of laser distance meter is shown as on the left.
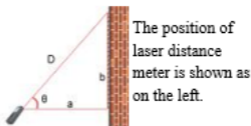
SCREEN DISPLAY INTERFACEMEASURED BY ONE KEY:

Laser mode

Front and rear reference

Battery indicator

Angle value

Laser strength indicator

1885 m

888 m — Max value

888 m — Min value

• • • • m — Current value
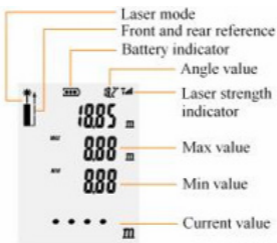
PROBLEMS AND SOLUTIONS:

Unable to turn on:
1. If there is no battery power, please charge it and then attempt to turn it on.
2. If a long press of the switch doesn't work, please ensure you press it for at least one second.

No display:
1. To turn the backlight on or off, short press the power button for about 1 second.
2. If the display is damaged, please contact the supplier for a resolution.

Unable to charge:
1. If the charging cable is damaged, try replacing it to see if that resolves the issue.
2. If the charging module is damaged, please contact the supplier for assistance.

Large error:
1. Add a white reflector for harsh environments.
2. Correct the calibration accuracy in the settings page.
3. If the ambient temperature is too low or high, please allow the equipment to warm up or cool down accordingly.

No data:
1. If there is defacement on the laser receiving or emission port, please clean it appropriately.
2. If the meter was shaken too much during measurement, please ensure it remains still.

WARNING: Read and Follow Instructions

1. ****Avoid Direct Eye Exposure****: Do not look directly into the laser beam or point it at anyone's eyes. Laser radiation can cause permanent eye damage.
2. ****Keep Out of Reach of Children****: This device is not a toy. Keep it out of the reach of children to prevent accidental misuse.
3. ****Avoid Reflective Surfaces****: Do not use the laser measure near highly reflective surfaces (e.g., mirrors, glass) as it may cause inaccurate readings or reflections that can be harmful to eyes.
4. ****Do Not Disassemble****: Do not attempt to open, modify, or repair the device. Disassembling the laser measure may result in dangerous exposure to internal components.
5. ****Use in Well-Lit Areas****: Ensure that the area where you are using the laser measure is well-lit to improve accuracy and reduce the risk of misreading measurements.
6. ****Avoid Extreme Temperatures****: Do not expose the laser measure to extreme temperatures or moisture, as it may damage the device and affect its performance.
7. ****Handle with Care****: Avoid dropping or subjecting the device to rough handling, as it may result in damage that affects its accuracy.
8. ****Do Not Aim at Aircraft****: Do not aim the laser measure at aircraft, as it can be mistaken for a laser pointer and is dangerous to pilots.
9. ****Use Caution on Uneven Surfaces****: Exercise caution when using the laser measure on unstable or uneven surfaces to prevent accidents or damage to the device.
10. ****Keep Clear of Moving Machinery****: Avoid using the laser measure near moving machinery or equipment to prevent accidents or interference with the device's operation.
11. ****Store Properly****: Store the laser measure in a cool, dry place, away from direct sunlight or excessive heat, and keep it protected from dust and debris.

12. **Consult Manual for Troubleshooting**: If you encounter any issues or anomalies with the laser measure, refer to the user manual for guidance. Do not attempt to fix it yourself.

13. **Dispose of Properly**: Follow local regulations for the disposal of electronic devices and batteries. Do not dispose of the laser measure in regular household waste.

14. **For Indoor Use Only**: This laser measure is intended for indoor use. Avoid using it in outdoor environments, as factors like sunlight and wind can affect accuracy.

Here is the corrected text:

15. **The meter parts must be kept clean at all times. Please turn it off before cleaning. If there is dust on the laser emitting port and the receiving lens, use a soft cloth with cleaning water or a neutral screen cleaner, then wipe it. Do not use acid or alkaline detergents for cleaning. Additionally, do not use alcohol or other solvents for cleaning.

16. **The laser measure is not waterproof and should not be exposed to water or submerged.

NOTE: Failure to follow these warnings may result in injury, inaccurate measurements, or damage to the device. If you have any questions or concerns, contact the manufacturer or a qualified professional for assistance.

EU Declaration of Conformity

ENGLISH
XD Connects B.V. hereby declares that this product is in compliance with the essential requirements
and other relevant provisions of Derective 2014/30/EU.
The complete Declaration of Conformity can be found at **www.xdconnects.com > search on item number.**

DEUTSCH
XD Connects B.V. erklärt hiermit, dass dieses Produkt die wesentlichen Anforderungen und
andere relevante Bestimmungen der Richtlinie 2014/30/EU erfüllt. Die vollständige
Konformitätserklärung finden Sie unter **www.xdconnects.com > suchen Sie nach der Artikelnummer.**

ESPAÑOL
Por la presente, XD Connects B.V. declara que el presente producto satisface los requisitos esenciales
y demás disposiciones relevantes de la Directiva 2014/30/UE.
La Declaración de conformidad completa puede consultarse en **www.xdconnects.com > busque por la referencia.**

FRANÇAIS
XD Connects B.V. déclare par la présente que ce produit est conforme aux exigences fondamentales
et autres clauses pertinentes de la directive 2014/30/EU.
La Déclaration de conformité peut être consultée dans son intégralité sur **www.xdconnects.com > rechercher le numéro de l'article.**

ITALIANO
XD Connects B.V. dichiara che il prodotto è conforme ai requisiti essenziali
e ad altre disposizioni pertinenti della direttiva 2014/30/EU.
La dichiarazione di conformità completa è disponibile all'indirizzo **www.xdconnects.com > ricerca per numero di articolo.**

NEDERLANDS
XD Connects B.V. verklaart hierbij dat dit product voldoet aan de essentiële vereisten
en andere relevante voorschriften uit richtlijn 2014/30/EU.
De complete Verklaring van conformiteit is te vinden op **www.xdconnects.com > waar u kunt zoeken op het itemnummer.**

SVERIGE
XD Connects B.V. förklarar härmed att denna produkt är i överensstämmelse med de grundläggande kraven
och andra relevanta bestämmelser i direktiv 2014/30/EU.
Den fullständiga försäkran om överensstämmelse finns på **www.xdconnects.com > sök efter artikelnummer.**

POLSKI
Firma XD Connects B.V. niniejszym deklaruje, że ten produkt jest zgodny z podstawowymi wymogami
i innymi postanowieniami dyrektywy 2014/30/UE.
Pełną treść deklaracji zgodności można znaleźć w witrynie **www.xdconnects.com, wyszukując numer artykułu.**

30 METER LASER MEASURE

P113.501

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