## HANDHELD LASER DISTANCE METER

USER MANUAL English



# Warranty Card

1.We guarantee One years warranty for series of laser distance meter. 2.Warranty begins from purchase date and it is subject to the

(1). Within warranty, we shall deal with complaints based on faulty equipment by repair, replacement of defective parts or replace an identical flawless product at our discretion. (2) Declarations:

- Following conditions are NOT included in warranty:
- I Open the equipment by tools without specifically permission II The use of the equipment outside the state limits or improper
- IV Serviced by unauthorized persons or workshops
- V Obliterated Serial Number of equipment (3). Warranty card must be provided and please present your invoice when desired.
- (4).Repairing and replacing equipment, please contact with your



Firstly thank you for your choice on our handheld laser distance

Please carefully read the safety instructions and the user manual before using this product, otherwise it may result in hazardous laser radiation and electric shock. The person responsible for the equipment must ensure that all users understand these directions and adhere to them.

### Safety Instructions

Introduction

- 1. This product is a class II laser product. Please DO NOT stare into beam at any time when operating this product!
- 2.Please DO NOT looking directly into the beam with optical aids
- (e.g. binoculars, telescopes)! 3.Please DO NOT remove any safety labels on this product!

4,holding rope

- 1.Please avoid kids to use the meter.
- 2.Do not open the meter without allow from professional person. 3.Please keep the manual, it is useful when you use it.

one piece

## Unpacking inspection

1.Mainframe one unit 2,User manual one piece 3.AAA battery(2\*1.5V) two pieces

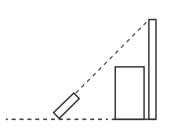
## **Basic Functions**

Single Measurement Max. / Min. Measurement Continuous Measurement Area / Volume / Pythagoras Plus and Minus Meter/Ft/In Switch

Measuring Reference Buzzer Indicator Historical Data Records 99Groups Data Clean up Error Message Code Battery Indicator

Digital Level(angle measuring) Laser Auto. Switch off Instrument Auto, Switch off

Telemeasuring height directly, even though there are some barriers in front of target.



### **Technical Parameters:**

Measuring Range 0.05m~60m 0.05m~80m 0.05m~100m 0.05m~120m

0.05m~150m +1 5mm Measuring Accuracy m,ft,in

Measuring Unit 620~690nm Laser type Laser Class ∐ class,<1mW 0.25s Single Measurement Time 0~+40 ℃ Operating Temperature

-20~+65°C Storage Temperature AAA(Alkaline), 2x1.5V Batteries Measurements Per Battery Set >8000

Weight (Without Batteries) Approximately 82q Dimensions (L×W×H) 115 x 50 X 23mm

## Comment:

\* The deviation occurs under unfavorable conditions such as bright sunlight or when measuring too poorly reflecting or very rough surfaces, the environment temperature is too high or too

\*\* When measuring distance within 10m, measurement accuracy is ±1.5mm; more than 10m, measurement accuracy is calculated as follows: ±1.5mm ± 0.05\* (D-10) (D: Measuring Distance, Unit:

- 1. Opening the equipment by using tools (screwdrivers, etc.) without allow.
- Measuring to sun.
- 3. Others measuring out of appointed range.
- 4. Immersing the equipment in water.
- 5. Cleaning the lens using alcohol or any other organic solvent. 6. Wiping the lens directly with fingers or other rough surfaces.
- 7. Powering the equipment beyond the rated DC voltage.

LCD Indicator

Laser indication and reference ontinue measuring Area volume measuring Pythagoras measuring Error indication Power indication Max and min indication Date storage Unit indication

Current measureme

Caculation display

# **Keyboard Indicator**

Minus/Backward

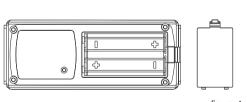
Key Functions	Icons
Switch on/Measuring	(N)
Measuring Reference	Ħ
Historical Data/ Unit Switch	UNITS
Clean up/Switch off	C/OFF
Function Switch	MENU
Plus/forward	4

Switch on/Measuring	(A)
Measuring Reference	Ħ
Historical Data/ Unit Switch	UNITS
Clean up/Switch off	C/OFF
Function Switch	MENU
Plus/forward	4

Start-up

a. According to figures, remove battery compartment lid. b. Insert batteries with correct polarity according to battery lid

c. Close the battery compartment lid



- 1. Please do not mix new and old batteries, Use alkaline batteries or rechargeable batteries only.
- 2. Please replace batteries when the symbol flashes permanently in the display
- 3. Please remove the batteries before any long period of
- 4. Out of power batteries must not be disposed of with household, care for the environment and take them to the collection points provided in accordance with national or local regulations

# Operation

# Switch on/off

Short-time press button to switch on the equipment, indication as shown as figure A.



### Change Measurement Reference

Default measuring reference is the bottom of meter, short-time press d to change the measuring reference to the top of meter. Short-time press , laser reflection signal indication will display, meanwhile battery intensity indication display as shown as figure B;









Long-time press ow to switch off the equipment.

displayed data one by one;

Single-mode Measurement

immediately as shown in figure D.

Measurement

Short-time pressing button to clear the last command or

When equipment is switched on, short-time press will activate

the laser, then aim the laser onto target and press (a) again will

trigger single-mode measurement, the result is will results displayed

The laser will be switched off automatically after 30 seconds and the will trigger continuous-mode measurement. equipment will be powered off after 3 minutes without any operation.

in figure E.



Functions



Area, Volume, Indirect Measurement (Pythagorean Theorem) as shown in figure F



and begin the measurement:





## **Continuous-mode Measurement**

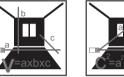
When the equipment is switched on, long-lime pressing 🌢 button

### MIN: MINIMUM VALUE MAX: MAXIMUM VALUE

Current measurement value is displayed in LCD bottom line as shown



the current measurent.figure G



When the equipment is switched on, Press ( to switch measurement functions one by one. Select corresponding function

# Measuring Area Measuring Volume

Telemeasuring height directly(Pythagoras) Telmeauring height directly (twice Phthagoras minus)

## **Plus and Minus Functions**

When the status is single-mode Measurement, Press + ,the meter can calculate the last measurement and the

current measurent Press -, the meter can calculate the last measurement minus



# Storage and Recall of Measurements

1)Storage measurements: press the to review historical data records.



# Message Code

Message Code	Possible cause	Remedy
Err10	Battery too low	Change batteries
Err15	Out of range	Measure target within the range
Err16	Received signal too weak	Use light color target; Hold Quick Measure more steady
Err18	Background brightness too high	Use dark colored target
Err26	Out of display	

11