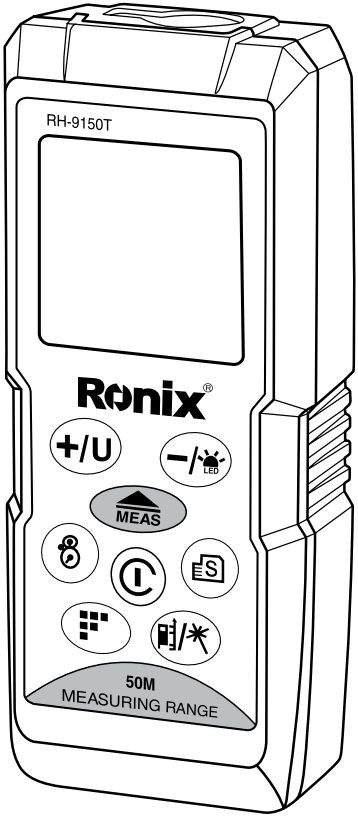
Ronix®

Premium Quality

LASER DISTANCE METER

RH-9150T



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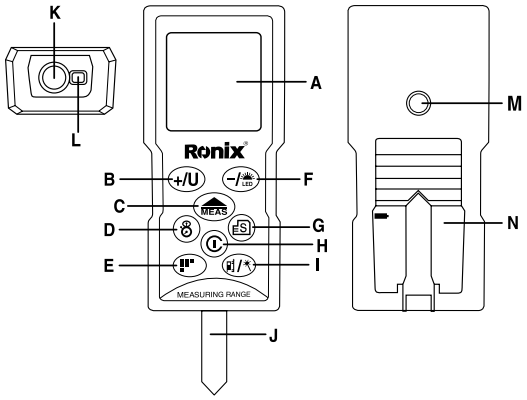
SPECIFICATION

Model	RH-9150T
Laser Measure Range	0.2 to 50M
Accuracy	±1.5mm (±0.06 inch)
Laser Class	2
Protection Class	IP54 (Dust/Water Proof)
Auto Laser Switch Off	30s
Auto Unit Switch Off	180s
Unit Dimensions (mm)	105*41*24 mm
Power Source	2 x AAA Batteries
Measuring Unit	m/in/ft/ft+in
Storage Temperature	-20°Cto 60°C
Operating Temperature	-5°Cto 40°C
Dimensions	113×47.5×30.2
Battery Life	10,000 Times
Functions	Distance/Area/ Volume/Pythagorean/ Continuous Measurement/Add and Subtract/Min&Max Reading/Timer Countdown/Stake out
Supplied in	Ronix Color box
Includes	AAA 3×1.5V, Textile Pouch

PART LIST



A) LCD
B) Additional /Unit
C) Measure Key
D) Timer /Bluetooth
E) Functions (Area, Volume, Indirect measure I.II.III, Stake out setup)
F) Subtraction /backlight
G) Measurement records
H) Clear /Power
I) Reference /Laser point
J) Pin tail
K) Laser receiving window
L) Laser emitted window
M) Tripod Thread
N) Battery cap

INSIDE THE BOX

1) Laser distance meter x 1
2) AAA Battery x 2
3) Operation manual x 1
4) Carrying case x 1
5) Safety strap x 1

SAFETY INFORMATION

- This is a Class 2 laser tool, laser radiation is emitted from this product and is manufactured to comply:
IEC 60825-1: 2007, EN 60825-1:2007, EN 61326-1:2013 and CRF21, parts 1040.10 and
- 1040.11.
- Use of controls, adjustment procedures other than those specified herein may result in laser radiation exposure.
- Never stare directly into beam or aim the laser beams at others.
- Product contains semiconductor laser diodes with wavelengths of

650 nanometers.
- The total continuous output of the beams never exceeds 1.0mW.
-Product complies with EMC Test according to EN61000-6-3:2001+A11:2004,
EN61000-6-1:2001, EN61326-1:2013, IEC 61326:2012 and FCC Test according to PART 15.
Laser Radiation do not stare into beam.
650 mm / Power<1mW Class II laser product EN 60825 1:2007

OVERVIEW FOR SCREEN

1) Laser indicator
2) Indirect measuring
3) Measuring function
4) Measuring reference
5) Add and Subtract
6) Maximum display
7) Minimum display
8) Staked direction indicator
9) Main Screen and units
10) Countdown measuring
11) Memories
12) Battery status
13) Sub Screen and units

BATTERY INSTALLATION AND POWER STATUS

1) This unit is powered by 2 x AAA batteries.
2) Remove battery lid and observing correct polarity before install batteries.
3) Battery level is showed on screen with battery icon one screen.

▪BATTERY LIFE INDICATOR SYMBOLS

1) When the icon appears ,there are approximately 1000 times to measures.

2) Replace batteries when low battery icon flash on screen.
3) To change new batteries, when install new batteries, then close back lid.

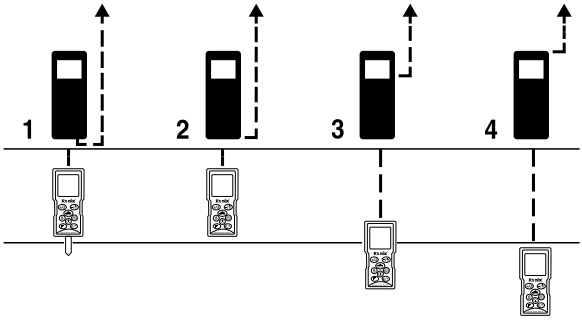
SWITCH ON/OFF

1) Be sure to check battery status before start.
2) Click the MEAS or ⏻ to turn on the device. The device will process the initial procedure and get ready to measure by turn on the laser dot.
3) Tap and hold ⏻ for 3 seconds to turn off.

⚠ NOTE:
The device will turn off automatically after 180 seconds (3 minutes).

MEASURING STARTING POINTS

On the body of this device, 4 points were designed in order to send laser beam.
1) Spike (Pin tail)
2) Back of the unit
3) Tripod thread
4) Front of the unit



STORE MEASUREMENT TO MEMORY AND LOOKUP

- When you want to add the measurements on the screen, press ESI to add to memory. You could find the location in memory on

the top of screen.
- To lookup stored measurements, press and hold (ES) to enter the lookup mode.
- Press (+/U) to move the index up and Press (-/LED) to move index down.
- To clear all stored measurements, press and hold (ES) again in lookup mode to clear all memory.

GLOBAL UNITS CONVERTOR

▪UNIT SETTING

1) There are 8 units inside the laser distance meter.
2) Click and hold (+/U) to select preferred unit.
3) Unit Switch Reference.

	Meter	Feet	Inch	0'0"1/32	Inch	Inch	Inch	尺
Length	m	ft.	in	0'0"1/32	1/32in	1/16in	1/8in	10/33
Area	m^2	ft^2	ft^2	ft^2	ft^2	ft^2	ft^2	P
Volume	m^3	ft^3	ft^3	ft^3	ft^3	ft^3	ft^3	m^2

BACKLIGHT & LASER POINTER MODE

Click and hold (-/LED) to turn on or off the backlight. To enable laser pointer mode ,click and hold (M/*) The laser indicator will display continuously until the mode is turned off.

STAKE-OUT MEASUREMENT

Stack out measurement help users to split a long distance into several piece equally.
The function need to be used in Continuous Measurement Mode with preset distance.

SETUP STAKE-OUT DISTANCE

1) Click (F) six time to enter setup of stake-out distance.
2) Click (+/U) to increase the value.
3) Click (-/I/0) to decrease your value.
4) Click (MEAS) to shift between numbers.
5) Click (F) to save the value and exit the setup mode.
6) Click (8) to restore zero.

▪USE OF STAKE-OUT WITH PRESET DISTANCE

1) Enable “Continuous Mode” by tap and hold . (MEAS)
2) Forward and backward arrow will be showed next to the measurements.
3) Follow the arrow to desired distance, device beeps to notify you when reach the preset distance and its multiplies.

COUNTDOWN MEASURE

1) For a more stable measurement or you could use countdown measure function to trigger measuring in setting times.
2) Click (8) to set your preferred self-trigger time.
3) Timer could set from 3 seconds to 15 seconds.
4) After the time is set, press to (MEAS) activate measuring.
5) After a beep, the measured result appears on main screen.

MEASURING FUNCTIONS

▪SINGLE MEASUREMENT MODE

1) Move the laser dot onto the target.
2) Keep your position stable and click . (MEAS)
3) The measurement will be displayed on LCD screen and laser will be turn off.
4) Click (MEAS) again to enable the laser dot for next measurement.

▪CONTINUOUS MEASUREMENT MODE

1) Continuous measurement is also called tracking measurement

and is recommend to use for seeking proper distance.
2) Move the laser dot onto the target.
3) Keep your position stable and tap and hold MEAS ,the laser distance meter will enter continuous measurement mode.
4) Move the device back and forward to proper distance.
5) Click MEAS to pause the measurement .
6) Click ⓒ again to leave the continuously measurement mode.

MEASUREMENT REFERENCE

1) There are four reference positions for measurement.
They are back of the unit, front of the unit, tripod thread and the spike.
2) Click ▯/✶ to select the proper position.

▪MEASUREMENT ADDITION & SUBTRACTION

1) To make summary or difference between two measurements is easy.
2) Finish your first measurement, then click +/U to save as Addend or −/LED to save as Minuend.
3) Take the second measurement, then click +/U to add from addend or ▯/✶ to subtract minuend.

▪AREA MEASUREMENT

1) Click ◤ to enable Area measurement.
2) Laser will be activated when entering area measurement mode.
3) Follow the instructions on main screen to measure WIDTH and LENGTH.
4) After finish all the instructions, the result [AREA] will be showed on screen.

▪VOLUME MEASUREMENT

1) Click ⁘ twice to enable Volume measurement.
2) Laser will be activated when entering volume measurement mode.
3) Follow the instructions on main screen to measure WIDTH, LENGTH and HEIGHT.
4) After finish all the instructions, the result [VOLUME] will be showed

on screen.

▪INDIRECTLY HEIGHT I, II & III MEASUREMENT (BASE ON PYTHAGOREAN)

1) Click (⁘) thrice, four and five times to enable Indirectly Measurement.
2) Laser will be activated when entering indirectly measurement mode.
3) Follow the instructions on main screen to measure the LENGTH OF HYPOTENUSE(S) and BASE.
4) After finish all the instructions, the result [HEIGHT] will be showed on screen.

 Indirect measure I
 Indirect measure II
 Indirect measure III

ERROR CODE

Code	Description	Solution
Error 01	Out of measuring range	Measuring in a proper range
Error 02	Reflected signal is too weak	Select a better surface
Error 03	Out of display range (Max Value: 99999), e.g.: result of area or dimension is out of display range	Divide calculation into intermediate steps
Error 04	Pythagorean calculation error	Check and verify values and steps are correct
Error 06	Out of working temperature	Measure in an environment within specified working temperature
Error 07	Ambient light is too strong	Measure in a darker place (Shadow target)

CARE & RECYCLING

- Cleansing
- Clean the device with a damp, soft cloth.
- Never immerse the device in water.
- Never use aggressive cleaning agents or solvents.

▪RECYCLING

Batteries must not be disposed of with household waste. Care for the environment and take them to the collection points provided in accordance with national or local regulations. The product must not be disposed with household waste.

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