



Model #050012
Component #692527

100 Ft. LASER DISTANCE METER



THIS MANUAL CONTAINS IMPORTANT INFORMATION REGARDING SAFETY, OPERATION, MAINTENANCE AND STORAGE OF THIS PRODUCT. BEFORE USE, READ CAREFULLY AND UNDERSTAND ALL CAUTIONS, WARNINGS, INSTRUCTIONS AND PRODUCT LABELS. FAILURE TO DO SO COULD RESULT IN SERIOUS PERSONAL INJURY AND/OR PROPERTY DAMAGE.

IF YOU SHOULD HAVE ANY QUESTIONS OR EXPERIENCE A PROBLEM WITH YOUR ALLTRADE PRODUCT, DO NOT RETURN THIS PRODUCT TO THE STORE. PLEASE CALL OUR CUSTOMER SERVICE DEPARTMENT AT **1-800-423-3598**. BEFORE YOU CALL, HAVE THE FOLLOWING INFORMATION AVAILABLE: MODEL No., DATE PURCHASED AND STORE LOCATION. AN ALLTRADE REPRESENTATIVE CAN RESOLVE YOUR PROBLEM OVER THE PHONE. IF YOU WOULD LIKE TO MAKE A SUGGESTION OR COMMENT, GIVE US A CALL OR EMAIL US AT: INFO@ALLTRADETOOLS.COM. YOUR FEEDBACK IS VITAL TO US.

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INTENDED USE

This product is intended for consumer use only. It is designed to be used indoors and for non-contact distance measurement.

GENERAL SAFETY RULES

WARNING

READ AND UNDERSTAND ALL INSTRUCTIONS. Failure to follow all instructions in this manual may result in severe personal injury or death. Keep this manual and refer to it for safety instructions and operating procedures.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

RECOGNIZE SAFETY SYMBOLS, WORDS AND LABELS

DANGER

DANGER indicates an imminently hazardous situation which, if not avoided, could result in death or serious injury.

WARNING

WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

IMPORTANT SAFEGUARDS

WARNING

WARNING: This product can expose you to chemicals known by the State of California to cause cancer and birth defects or other reproductive harm. *Wash hands after handling.*

LASER SAFETY

WARNING

Pointing a laser and interfering with the operation of an aircraft is a felony punishable by fine and imprisonment.

The laser guide used in the tool is Class II.

The laser shall be used and maintained in accordance with the manufacturer's instructions.

The use of optical instruments with this product will increase eye hazard.

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Do not stare into the laser beam.

Never aim the beam at any person or an object other than the work piece.

Avoid indirect exposure via reflective surfaces, such as glass and mirrors.

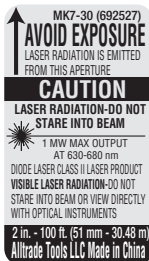
Store out of reach of children. Equipment should be in a high location or locked up to keep out of reach of children. It is not a toy.

Do not tamper with the laser output. Changing the performance of the laser to increase its output is prohibited. Any claim for damages or injuries resulting from not following these instructions will be refused.

Never operate laser if the unit is defective or the cover or seal is damaged.

There are no user-serviceable parts in the laser device. The laser unit must be returned to the factory for any service or repair. Service or repair must be handled by authorized factory-trained technicians.

Be careful with this tool. Striking or jarring it, especially on the laser housing, can affect its accuracy.



Laser Distance Measure Label

TOOL USE AND CARE

WARNING

Use the product only as specified in this manual.

Avoid exposing this device to EMF (electro-magnetic fields) from arc welders, induction heaters, etc. OR exposing to static electricity.

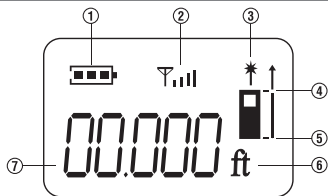
To prevent sensor damage, do not point the sensor lens directly at the sun or any other source of strong infrared light.

FUNCTIONAL DESCRIPTION



LCD INDICATIONS AND SYMBOLS

1. Battery Status
2. Received Signal Strength
3. Laser On
4. Front Edge Measurement
5. Rear Edge Measurement
6. Unit (Foot, Inch, Metric)
7. Measured Distance or Error Message



LCD ERROR MESSAGES

Error Code	Cause	Solution
ERR01	The target the laser beam aims at is strong at reflecting the laser beam.	Change the target or attach a piece of white paper to the target.
ERR02	The distance to be measured is beyond the measuring range. The specified measuring range of this instrument is 2 in-100 ft (51 mm-30.48 m).	Measure within the effective measuring range.
ERR03	The target the laser beam aims at is weak at reflecting the laser beam.	Change the target or attach a piece of white paper to the target.
ERR06	Low battery.	Replace with a new battery.

BUTTON FUNCTIONS



RED



BLACK


Red Button: To turn on the meter and measure distance (single or continuous measurement).


Black Button: To turn off the meter or to select options (Unit measurement or Front/Rear edge measurement).

To convert the measured distance to other units of measurement, briefly press both red and black buttons at the same time.

BATTERY SYMBOL STATUS

 "Battery Full"

 "Battery Low": Batteries MAY be replaced.

 "Battery Empty": Batteries MUST be replaced.

BATTERY INSTALLATION/REPLACEMENT

To install or replace the batteries:

1. In the back of the meter, gently slide the battery housing cover away.
2. Remove old batteries and insert two new AAA batteries according to the battery direction markings inside the battery housing.
3. Reinstall battery housing cover.
4. Properly dispose of old batteries in accordance with local regulations.



OPERATING INSTRUCTIONS



WARNING

Never aim the laser beam pointer at the eyes of a person or animal or an object other than the work piece.

Pre-measurement setting:

1. To turn on the meter and laser pointer, briefly press the red button.
2. To set for desirable measurement units (inch, foot, metre), while pressing on the red button, toggle between the measurement units using the black button.
3. To toggle between front or rear edge measurements, briefly press black button.

Measurement:

1. For single measurement:
 - a. Direct the laser at the target and briefly press the red button. The distance to the target appears on the display.
 - b. For additional single measurements, press the red button to clear the display and to turn on the laser pointer. Repeat step 1a.
2. For continuous measurement:
 - a. Direct the laser at the target and press the red button for 2 seconds until a clicking noise is heard. As you move toward or away from the target, the distance to the target appears on the display.
 - b. For additional measurements, press the red button to clear the display and to turn on the laser pointer. Repeat step 2a.



Front Edge Measurement



Rear Edge Measurement



Continuous Measurement

Post-measurement:

- To convert the measured distance to other units of measurement, briefly press both red and black buttons at the same time.
- To turn off the meter, press the black button for 2 seconds.

TROUBLESHOOTING

Problem	Cause	Solution
The meter does not turn on.	Batteries incorrectly inserted. Low battery power. Poor contact of the ON button.	Reinsert according to polarity symbols. Replace with new batteries. Press the button hard or send meter for repair.
The meter clicks inside.	It is a normal sound generated by the light path switch-over device during measurement.	N/A

MAINTENANCE

- Clean the housing and the lens using only a soft cloth or cotton swab with water or medical alcohol.
- Do not let any liquid enter the case or sensor area. Allow the lens to fully dry before use.
- Avoid storing the meter in extreme temperature conditions. Do not store below 14°F (-10°C), or where the radiant temperature may exceed 140°F (60°C).
- Always purchase the correct size and grade of battery most suitable for the intended use.
- Clean the battery contacts and also those of the device prior to battery installation.
- Remove batteries from equipment that is not to be used for an extended period of time to avoid damage to the tool should the batteries deteriorate.
- Remove batteries if consumed or if product is to be left unused for a long time.

SPECIFICATIONS

Recommended Operating Environment:	Indoor
Measuring Range:	2 in ~ 100 ft (51 mm ~ 30.48 m)
Measurement Accuracy:*	+/- 2 mm (+/-0.079 in)
Minimum Display Unit (Metric) (Standard):	(1 mm) (0.01 in.)
Laser Class:	2 (complies with FDA 21 CFR 1040.10 and 1040.11)
Laser Type:	Maximum output power 1 mW, Wavelength 630-680 nm
Instrument Auto-off Delay Time:	5 min.
Laser Auto-off Delay Time:	20-25 sec.
Battery Life (AAA alkaline battery):	More than 5000 single measurements
Working Temperature:	14~104°F (-10~40°C)
Storage Temperature:	14~140°F (-10~60°C)

* IMPORTANT: Under adverse conditions (such as bright solar light outdoors or in the surrounding environment, weak reflection of the surface to be measured, and rough surface), accuracy will be reduced.

1-YEAR LIMITED WARRANTY

Express and Exclusive Limited Warranty to Original Retail Buyer

Every ALLTRADE® product is inspected before leaving the factory. This product is warranted to be free of defects in material and workmanship for a period of one year from the date of original purchase. If a defect appears within one year after the date of purchase, the purchaser may return the item, together with a purchase receipt or other appropriate proof of purchase to the place of purchase. Upon receipt of the item(s), the place of purchase will, at its option, replace the defective item or refund your money. This warranty shall not apply when the product has been used for commercial or rental purposes, has been tampered with, when repairs or attempted repairs have been made by unauthorized persons, or where the item has been subjected to misuse, abuse, accident or damage in transit. No charges will be accepted for unauthorized parts, repairs or services.

IN NO EVENT SHALL ALLTRADE BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Some states and provinces do not allow limitations on how long an implied warranty lasts and some states and provinces do not allow the exclusion or limitation of the incidental or consequential damages, so part or all of the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from province to province.

FCC INFORMATION

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

FOR CUSTOMER SERVICE
1-800-423-3598

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