

# LM570LD-II Laser Level Manual

## PREFACE

Thank you for purchasing this brand new product. In order to use this product safely and correctly, please read this manual thoroughly, especially the safety notes.

After reading this manual, it is recommended to keep the manual at an easily accessible place, preferably close to the device, for future reference.

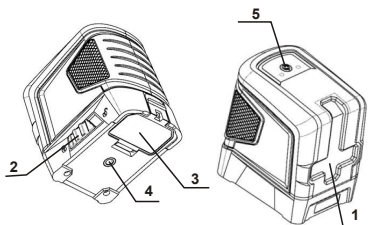
## LIMITED WARRANTY AND LIABILITY

Uni-Trend guarantees that the product is free from any defect in material and workmanship within one year from the purchase date. This warranty does not apply to damages caused by accident, negligence, misuse, modification, contamination or improper handling. The dealer shall not be entitled to give any other warranty on behalf of Uni-Trend. If you need warranty service within the warranty period, please contact your seller directly.

Uni-Trend will not be responsible for any special, indirect, incidental or subsequent damage or loss caused by using this device.

## PRODUCT APPEARANCE

1. Laser emission window
2. Power/lock switch
3. Battery compartment
4. 1/4 inch adapter screw hole
5. Laser switch



## SAFETY INSTRUCTION

To use the product properly, please read the user manual and safety information thoroughly before use. Users must fully understand and observe all the instructions.

### ⚠ Notes:

- Do not expose eyes to the laser beam during operation. Prolonged exposure to the laser beam may cause eye damage.
- Some product set provide with accessory glasses. Please note that this kind of glasses is not safety glasses. It only helps user to easily identify the laser beam in strong ambient light or far away from the laser meter source.

### ⚠ Warnings:

The following print (or label) shown on the product describes safety and related disposal information.



- Never stare into at the laser beam directly or observing it by any optical instrument. Do not set the meter at a visual height (to avoid injury caused by exposing eyes to laser beam).
- Do not disassemble or modify the laser meter in any way. No inner parts can be repaired by users. Unauthorized modifications may emit harmful laser radiation.
- Keep the laser meter away from children or danger may occur. Class II laser should not be observed for more than 2s.

## OPERATION MODE

Tap the laser switch on the top or toggle the power/lock switch to turn on the meter and the laser line.

**⚠ Note:** only when the meter's pendulum is locked, tap the laser switch can turn off the meter and laser line.

### Self-leveling Mode

Self-leveling mode can only be turned on when the meter pendulum is unlocked. The laser line will flash quickly at a frequency of 2Hz to indicate its operating mode/state when the meter exceeds self-leveling working range ( $3^{\circ} \pm 1^{\circ}$ ).

In the self-leveling mode, its full-time pulse function can be used normally with the laser receiver.

## Manual Mode

After the meter is turned on, manual mode will be enabled when the pendulum is in locked position. The laser line can set to different angles as needed. Note: In the manual mode, the laser line cannot be horizontal/vertical reference.

In the manual mode, self-leveling mode is turned off. The laser line flashes every 5s to indicate that manual mode has been turned on.

## MAINTENANCE

- The meter has been carefully calibrated and packaged according to various precise specifications before leaving the factory. It is recommended to perform accuracy test before the first-time use and perform test regularly, especially during high precision requirements.
- Turn the meter off and make sure the pendulum is locked when it is not in use.
- In the manual mode, the self-leveling mode is off, which means the laser beam cannot be horizontal/vertical reference.
- Do not short-circuit the battery contacts, charge the alkaline battery, or throw the battery into fire, these actions may cause dangerous accidents.
- Do not use old and new batteries simultaneously. Be sure to replace all of them with the same type of batteries in same brand.
- Keep the battery out of the reach of children.
- Remove the batteries if the meter is not in use for long period.
- Do not expose the meter to sunlight or high temperatures. The meter shell and some parts are made of plastic, which may be damaged in high temperature environments.
- Clean the outer plastic parts with a damp cloth. It is not recommended to clean it with dissolvent. Wipe away moisture with a dry soft cloth before putting the meter into the box.
- Store the meter properly in its carrying bag or package. Remove the batteries during long-time storage to avoid battery leakage.
- Do not dispose the meter into household trash. Dispose the battery or related electronic waste according to local laws and WEEE (Waste Electrical and Electronic Equipment) rules.

## TECHNICAL SPECIFICATIONS

Model	LM570LD-II
Laser type	Green laser LD
Laser wave length	520nm $\pm$ 5nm
Laser power	20mW
Laser class	Class II
Number of laser lines	2
Horizontal/Vertical accuracy	$\leq \pm 3\text{mm} @ 10\text{m}$
Laser line width	<4mm/10m (at 80~100lux indoor)
Horizontal/Vertical emission angle	$\geq 120^{\circ}$
Working distance (Line)	10m (at 30~100lux indoor)
Operating temperature range	-10 $^{\circ}\text{C}$ ~+40 $^{\circ}\text{C}$
Storage temperature range	-20 $^{\circ}\text{C}$ ~+70 $^{\circ}\text{C}$
Self-leveling time	3s
Self-leveling range	$3^{\circ} \pm 1^{\circ}$
Battery type	2*1.5V AA (LR6)
Product size	85.5mm x 62mm x 90.3mm
Net weight	0.24kg $\pm 5\%$
Operating time	4h (all lasers on)
Standard accessories	Device, wall mount, manual, carrying bag, package, batteries

## UNI-T

UNI-TREND TECHNOLOGY (CHINA) CO., LTD.

No. 6, Gong Ye Bei 1st Road,  
Songshan Lake National High-Tech Industrial  
Development Zone, Dongguan City,  
Guangdong Province, China



Made in China