



## LASER LEVEL

### ATTENTION



### IMPORTANT

- Read all instructions prior to operating this laser tool. Do not remove any labels from tool.
- Use of controls or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- Do not stare directly at the laser beam.
- Do not project the laser beam directly into the eyes of others.
- Do not set up laser tool at eye level or operate the tool near a reflective surface as the laser beam could be projected into your eyes or into the eyes of others.
- Do not place the laser tool in a manner that may cause someone to unintentionally look into the laser beam. Serious eye injury may result.
- Do not operate the tool in explosive environments, i.e. in the presence of gases or flammable liquids.
- Keep the laser tool out of the reach of children and other untrained persons.
- Do not attempt to view the laser beam through optical tools such as telescopes as serious eye injury may result.
- Always turn the laser tool off when not in use or left unattended for a period of time.
- Remove the batteries when storing the tool for an extended time (more than 3 months) to avoid damage to the tool should the batteries deteriorate.
- Do not attempt to repair or disassemble the laser tool. If unqualified persons attempt to repair this tool, serious injury may result.

**CAUTION:** If using this product with any type of tinted goggles, please note safety warning below.

### WARNING!

The tinted goggles are designed to enhance the visibility of the laser beam. They DO NOT offer protection to the eyes from direct exposure of the laser beam.



**PRODUCT CODE: VLL005**



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PROFESSIONAL



# SHARP GREEN LASER LEVEL

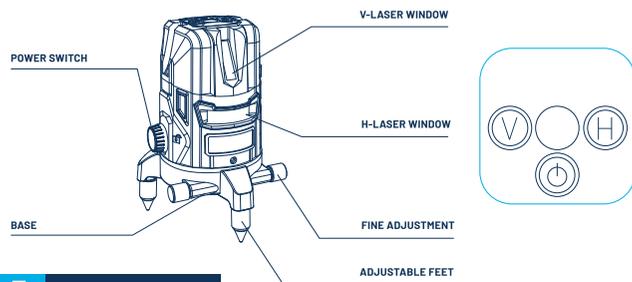
5 LASER LINES INCLUDING 4 VERTICAL LINES,  
1 HORIZONTAL LINE, 1 PLUMB DOT, 5 BRIGHT DOTS

# INSTRUCTION MANUAL

## 1. CLASS & FUNCTION

|      | NUMBER OF LINES |          | WORKING ENVIRONMENT | LEVELING SYSTEM         |
|------|-----------------|----------|---------------------|-------------------------|
|      | HORIZONTAL      | VERTICAL |                     |                         |
| 1V1H | 1               | 1        | INDOOR              | MAGNETIC DAMPING SYSTEM |
| 2V1H | 1               | 2        | INDOOR              | MAGNETIC DAMPING SYSTEM |
| 4V1H | 1               | 4        | INDOOR              | MAGNETIC DAMPING SYSTEM |

## 2. FIGURE



## 3. INTRODUCTION

The Tile Rite Sharp Green Laser Level is fitted with a semiconductor diode that has a wavelength of 515nm, with the wavelength of the lowest point being 638nm. Additionally, the laser beams are highly visible and of superior quality. The lasers are capable of projecting two or more fan-shaped laser beams, which form a horizontal line and one or more vertical lines upon hitting a wall. These laser beams, commonly known as multi line or cross line lasers, intersect at a 90° angle and create a zenith point at the cross point.

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By twisting the fine adjustment knob, the laser beam is able to conveniently and precisely locate the desired target.

Upon turning the Lock-unlock switch to the Unlock position, the laser diode will flash and an alarm will sound immediately if the instrument's slope exceeds the levelling range. On the other hand, when the Lock-unlock switch is set to the Lock position, neither the laser diode nor the alarm will be triggered even if the slope of the instrument surpasses the levelling range, though the incline angle can still be measured.

To prevent any potential vibration during transportation, it is advised that the Lock-unlock switch be turned to the Lock position when powering down. For increased visibility of the laser beam, especially in brighter environments or from greater distances, red laser glasses can be used as an accessory (not included). The central base of the instrument contains a 5/8 screw-hole that can effectively stabilise it on the elevator tripod, thereby simplifying the process of adjusting the height of the horizontal line. This easy-to-use instrument finds its application in various domains such as indoor construction, decoration, and equipment installation.

## 4. INSTRUCTIONS FOR USE

- To properly set up the instrument, place it on a tripod or any flat surface before roughly adjusting its position.
- The instrument can be powered on and off using the power symbol button.
- To access the incline angle measurement function, simply long press the power switch until you reach the Lock position. Alternatively, if you want to activate the self-levelling function, long press the power switch until you reach the Unlock position.
- Rotate the instrument so that the laser beam is directed towards the intended target, and carefully manipulate the fine adjustment knob in order to identify the optimal working direction.
- Key-H switches the Horizontal laser
- Key-V switches the vertical laser
- Ensure the Lock-unlock switch is set to the Lock position after usage to firmly secure the fragile pendulum and prevent any damage during transportation that may cause inaccuracies in the instrument's readings.

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## 5. ACCESSORIES

STANDARD ACCESSORIES:  
CHARGER, LITHIUM BATTERY



| LEVELING SYSTEM         | MAGNETIC DAMPING SYSTEM                                       |      |
|-------------------------|---|------|
|                         | CLASS II  | 4V1H |
| Wavelength              | Vertical laser & Horizontal laser:515nm;<br>down point: 638nm |      |
| Working distance        | Radius: approximately 10m                                     |      |
| Leveling range          | Approximately +/- 3°  |      |
| Emitting range          | Approximately 110°  |      |
| Horizontal accuracy     | (±) 1mm/10m   |      |
| Vertical accuracy       | (±) 1mm/5m  |      |
| Down point accuracy     | (±) 1mm/1.2m  |      |
| Perpendicular accuracy  | 90 +/- 1"   |      |
| Zenith accuracy         | (±) 1mm/3m  |      |
| Power supply            | 4.5v  |      |
| Working temperature     | -10°C - +45°C   |      |
| Continuous working time | Approx 8 hours  |      |
| Dimensions              | 140x205mm   |      |
| Weight                  | 1.2kg (inc batteries)   |      |

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