



# **4V4H Line Laser INSTRUCTION MANUAL**

# SAFETY

Please read this instruction manual before operating this product.

Please store this instruction manual in the carry case for future reference.

## **CAUTION: Class 2 Laser Product**

Do not stare directly into the laser beam from apertures.

Do not disassemble the instrument or attempt to perform any internal servicing as this will void your warranty. No user serviceable parts included.

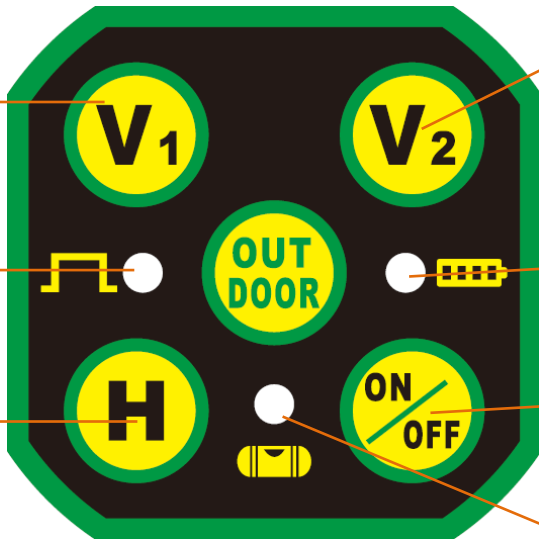
Only approved and authorised service technicians can carry out warranty repairs.

# PRODUCT OVERVIEW



# CONTROL PANEL

Vertical lines



Vertical lines

Pulse LED

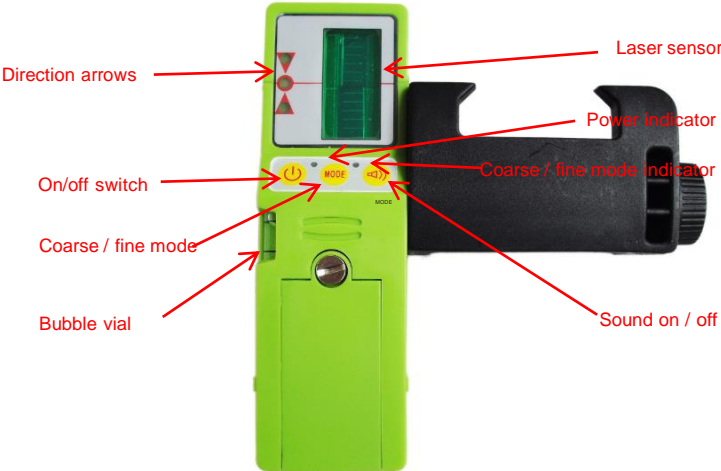
Power&Low  
battery LED

H Lines

Power

Leveling  
LED

# DETECTOR CONTROL PANEL



# USING YOUR LASER

## Power Supply

The LASER is powered by a lithium-ion battery pack.  
The battery type is 7.4V 2600mAh Li-ion battery.

## Setting Up

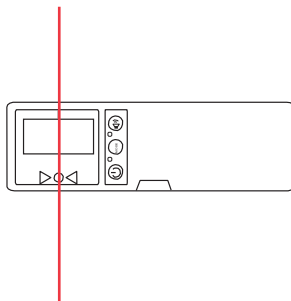
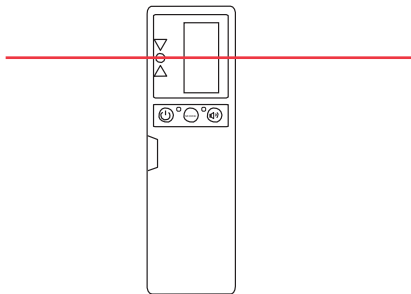
- Select a place as close as practical to the work site.  
Ensure the location is clear of traffic.
- Place the laser on a level surface such as a bench or mount.

## Operation

- To turn the unit on press the *power* button. Self levelling will commence and the horizontal beam will appear.
- If the unit is outside the self levelling range the unit will not level and the beam will flash repeatedly.
- Press the V1, V2 and H button on the control panel to cycle through the active beams.

## Using Your Detector

- Press the *pulse* button on the control panel on top of the laser to enter into pulse mode.
- Switch the detector on and move it into the path of the laser beam.
- Hold the detector upright for horizontal beams. Rotate the detector 90° for vertical beams. The direction arrows will indicate the position of the laser beam. The centre LED will indicate alignment with the beam.



# CARE AND MAINTENANCE

- Reflective surfaces such as glass may reflect the beam, causing two beams to strike the detector at the same time. This may create inaccurate reference points.
- This is a precision instrument and should always be transported within the carry case provided.
- Always turn the unit off before transporting.
- Whenever possible, store the instrument in a dry, shady location.
- The LASER should be calibrated every 6 months, if ongoing accurate levelling is required or an impact has occurred.
- The operator should check the LASER for accuracy before precision levelling is attempted.
- Clean the instrument with a dry, soft cloth after use in dusty, damp or wet conditions before storing.
- Smudges and fingerprints may be removed with a damp tissue or a soft, lint-free cloth.



## SPECIFICATION:

<b>Laser lines</b>	4V4H1D
<b>Accuracy</b>	$\pm 1.5\text{mm}/10\text{m}$ or 30sec
<b>Leveling theory</b>	Electronic sensor
<b>Dimension</b>	200mm x 130mm(Dia)
<b>Weight(Laser only)</b>	1.8kg
<b>Battery type</b>	7.4V 2600mah Li-ion/Can be charged by mains power
<b>Continuous working</b>	10hours(Red beam)7hours(Green beam)
<b>Leveling range</b>	$\pm 3.5^\circ$
<b>Diode power</b>	10mw(Red beam) 30mw(Green beam)
<b>Working distance</b>	20m(70m with detector)
<b>Working Temperature</b>	$-10^\circ\text{C}$ - $50^\circ\text{C}$
<b>Output power</b>	Less than 1mw, Laser class II

<b>IP RATE</b>	IP54
<b>Manually slope function</b>	yes
<b>Laser source</b>	635nm(Red beam)515nm(Green beam) 650nm(down point)

