



## Imex LX33G Green Beam Three-line laser



### Imex LX33G

Congratulations on your purchase of a quality Imex self levelling line laser.

These lasers have been designed for the professional and incorporate the latest laser technology. This highly versatile tool can be used on the floor, elevating tripod or on a wall bracket.

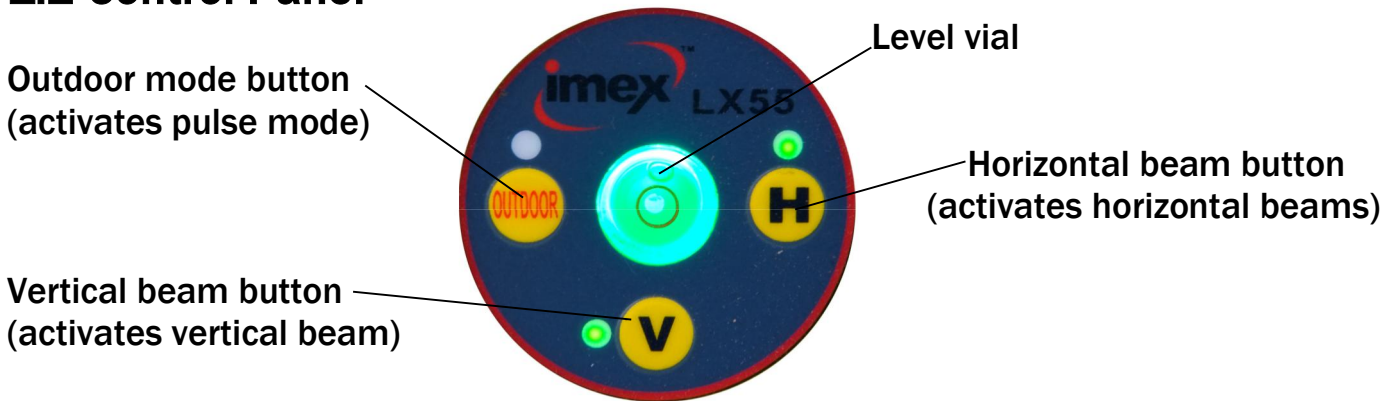
The following operating manual has been designed to assist in getting the optimum performance from your instrument. Please read carefully before using the instrument, and observe all safety conditions and warnings.

# 1. About the Instrument - Functions

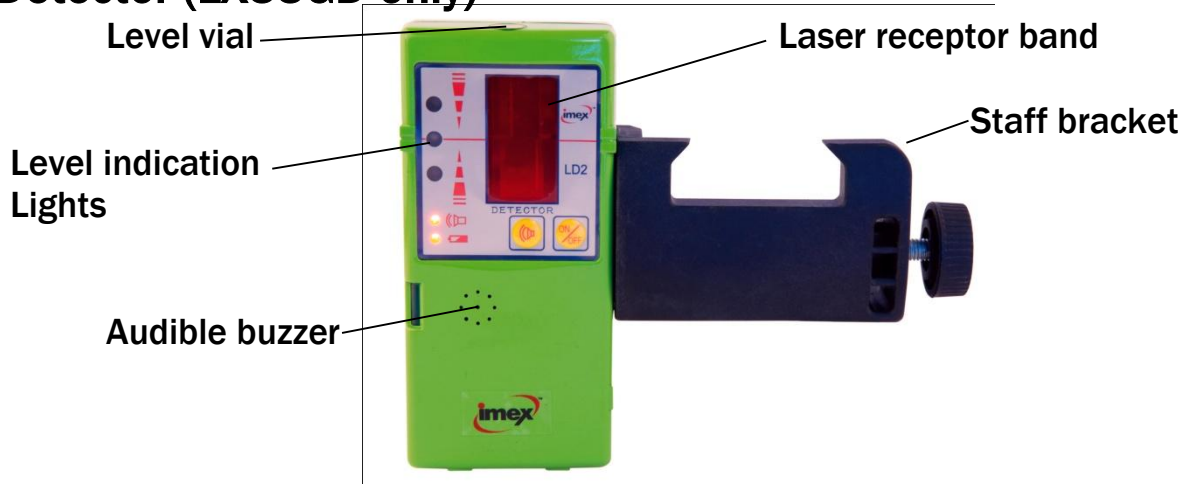
## 1.1 Instrument Overview



## 1.2 Control Panel



## 1.3 Detector (LX33GD only)



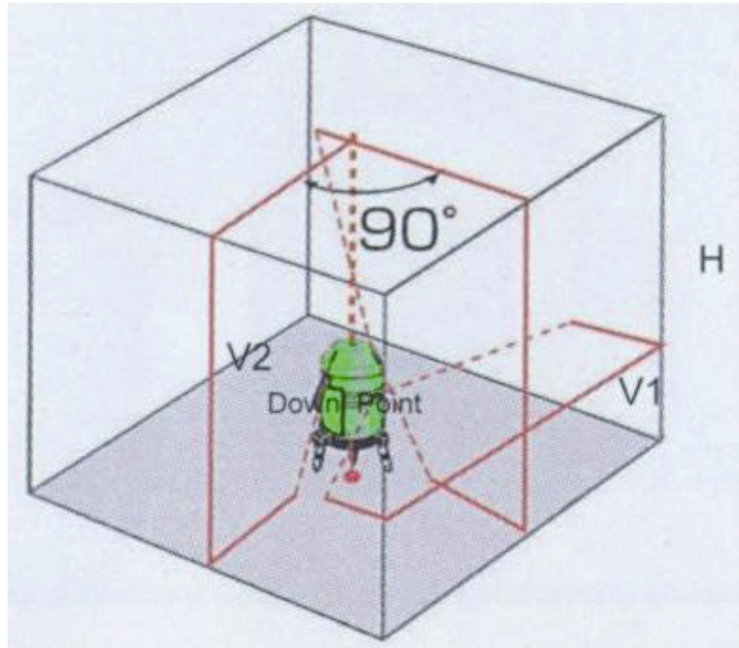
## **2. Basic Operation**

**1. Turn on:** Turn on using the on/off switch. This releases the pendulum from its lock position, activates the horizontal beam and allows all beams to be turned on using the buttons on the control panel.

**2. Horizontal Beam:** Horizontal beam turns on when main switch is turned on, to turn press the horizontal button once. Press the horizontal button once again to turn horizontal beam off.

**3. Vertical Beams:** To turn on vertical beams press the vertical beam button, this activates front vertical beam and the plumb spot. Press the vertical button again to activate the other vertical beam, you now have 2 vertical beams emitted at 90° to each other also forming a cross & plumb point) on the ceiling.

Press vertical button again to turn vertical beams off.



**4. Turn off:** To turn off completely, switch the on/off switch to off position, this deactivates all beams and locks pendulum.

-The level vial is a guide only, unit will self level providing it's within 3° of level.-

## **3. Outdoor Use LX33GD (with detector)**

For greater versatility this tool has a pulse mode which enables the tool to be used in conjunction with a detector (LX33GD) extending the tools range to 30m.

-To enable outdoor mode, turn instrument laser beam on then press the outdoor mode switch once. This enables the beam pulsate mode so it can be picked up by the detector.

-Turn on detector (on/off switch), You can now check level and 90° set-outs outdoors using optional detector

-Press the outdoor mode button once again to disable outdoor mode

## **4. Battery**

The Imex LX33G is powered by a 3.7VDC Li-ion battery

Battery life is approx 20hrs with all beams operating and charge time of approx 3 hours.

To charge battery plug supplied charger unit into 240v power outlet and plug charging pin into battery. Charger indication light will show solid red when the battery is charging, charger lamp indicator will change to solid green when charge is complete.

## **5. Calibration & Level Checking**

The accuracy of the tool is +/- 1.5mm in 10m.

Before use, check that the instrument is within tolerance.

- Place instrument on a solid base i.e. bench top, approx 5m from a wall.
  - Turn on horizontal beam and vertical beams
  - To check horizontal beam, point cross-line towards wall & mark the wall at horizontal level point
  - Rotate instrument on tripodic base towards the left end of horizontal beam and mark wall again, repeat this procedure at the right end of the horizontal beam
  - You should now have three marks on the wall. If these points are less than 1.5mm apart the instrument is ok to use if difference exceeds 1.5mm send back to dealer for calibration.
- To check vertical accuracy, utilise a known plumb point such as a doorway/window frame and check that vertical beam lines up.

## **6. Transportation and Storage**

The laser must be stored in a cool dry environment, free of dust and moisture.

On the completion of use the main On/Off switch must be switched to the off position for transportation.

## **7. Warranty**

The Imex LX33G are covered by a 2 year warranty for more details please visit:

[www.imexlasers.com.au](http://www.imexlasers.com.au)

## **8. Accessories**

The LX33 can be used with a number of accessories, these include;

- Elevating tripod
- Wall mount bracket
- Floor-ceiling laser pole
- Levelling staff & more

## **9. Specifications**

<b>Specifications Imex LX33G</b>	
Light Source	532-650nm Green beam class 2M<5mW
Accuracy	± 1.5mm /10m
Beams	1 Horizontal, 2 vertical @ 90° and plumb spot
Damping System	Self levelling magnetic dampened pendulum
Working Distance	15m (30m with detector)
Battery	3.7v Li-ion
Battery Life	approx 20 hours (all beams)
Battery charge time	approx 3 hours
Dimensions	220 x 120 x 120mm

