

## Safety and Warranty

1. Avoid use in a wet and dusty environment for extended periods of time.
2. Keep receiving window clean. Avoid scratches.
3. Do not disassemble or modify the detector by yourself – in doing so will void the warranty.
4. Storage temperature - 20° C ~ +60° C
5. Please avoid impact or vibration.
6. Please do not push roughly on the buttons.
7. Use only a dry clean, soft cloth to clean the detector.; Do not use detergent or petroleum based scourers.
8. If the detector is not to be used for an extended period of time - remove the battery.
9. Please do not operate this detector in strong electromagnetic field or in an intense light environment.
10. This detector is also susceptible to sunlight, flashing lights, fluorescent light, and alternating induction radio signals, and the source of these signals can affect the actual measurement of this detector, producing certain errors.

## The performance parameters

### Corresponding models:

This detector will detect red lines laser operated in pulse mode at frequency of 5 KHz (it will not detect rotating levels).

Detection range:

1 ~ 50 meters, vertical: 1 ~ 35 meters

Precision: High accuracy ± 1.5 mm.

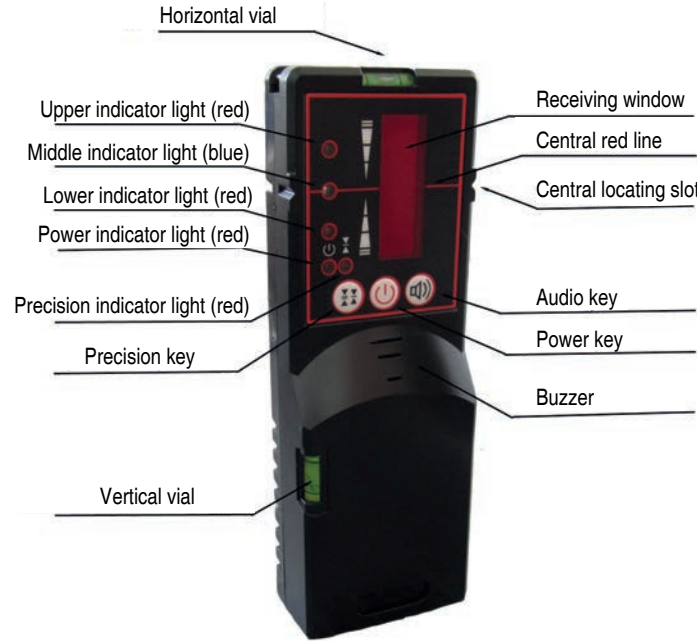
Low accuracy ± 2.5 mm.

Power source: Laminated 9V battery

Dimensions: 164mm. (H) x 52mm. (W) x 27mm. (D)

Weight: 140 g (including battery)

# USER MANUAL



## Function - introduction

1. Bright indicator lights on the front and the reverse sides of the detector.  
Intense brightness signal lights used to indicate the laser line position together with mutable audible signal.
2. Automatic shutdown.  
Detector will shut down automatically if receives no laser line and no key pressed for 7 minutes.
3. Low voltage alarm.  
When the battery voltage is low, the power indicator light will flash to notify the user to replace the batteries.

## Directions for use

### 1. Install the battery:

Insert the laminated 9V battery into the battery compartment; ensure the proper contact with the terminals.

### 2. The control panel:

**Power key:** To switch the detector ON and OFF. At start-up the power indicator light will be lit and glowing steadily.

If the power indicator light is flashing - the battery voltage is too low. Please replace the battery.

**Precision key:** To switch between high and low accuracy. At start-up, the detector will be low accuracy and the corresponding indicator light is off. Press the key to switch to higher precision mode. The precision indicator light will turn on.

### 3. Audio switch button:

Turns the buzzer on and off.

### 4. Detect the laser line:

**Note:** When using this receiver, confirm that the multiline laser is in the "PULSE" mode.

To detect the horizontal line place the detector vertically with horizontal vial at the top, to detect the vertical line place the detector with vertical vial at the top.

When the laser line is in the red receiving window, one of the three red / blue indicator lights will light up to indicate the line position. If the buzzer is on, a corresponding audible signal will be heard at this time.

The red indicator light indicates to move the detector according to the respective direction arrow in order to bring the laser line to the middle of the receiving window. When the upper red light is on – the detector should move down. When the lower red light is on – the detector should move up. For vertical laser line detection: when the right red light is on – the detector should move to the left. When the left red light is on - the detector should move to the right - see the table.

When the middle (blue) indicator lights up - the laser line is in the middle of the receiving window overlapping with the central red line, you can stop moving the detector and mark the line position using the central locating slot.

Indicator light	UPPER/RIGHT indicator ON (RED)	MIDDLE indicator ON (BLUE)	LOWER / LEFT indicator ON (RED)
<b>HORIZONTAL LINE</b>	Laser line is below the central red line - the detector should be moved down until blue indicator lights on.	Laser line and central red line overlapping	Laser line is above the central red line - the detector should be moved up until blue indicator lights on.
<b>VERTICAL LINE (VERTICAL VIAL UP)</b>	Laser line to the left of the central red line: The detector should be moved left until blue indicator lights on.	Laser line and central red line overlapping	Laser line to the right of the central red line: The detector should be moved to the right until blue indicator lights on.
<b>AUDIBLE SIGNAL</b>	B-B-B-B-B (less frequent beep)	B----- (steady beep)	BBBBBBBB (frequent beep)