

USER MANUAL
CROSS-LINE GREEN LASER
ITEM NO.: 26201
MODEL NO.: EK-114



CE

CAUTION

The use of other operating or adjusting equipment or the application of other processing methods than those mentioned here can lead to dangerous radiation exposure.



If the text of the warning label is not in your national language, stick the provided warning label in your national language over it before operating for the first time.



Do not direct laser beam at persons or animals and do not stare into the direct or reflected laser beam yourself, not even from a distance. You could blind somebody, cause accidents or damage your eyes. If laser radiation strikes your eye, you must deliberately close your eyes and immediately turn your head away from the beam.

Do not make any modifications to the laser equipment.

Do not allow children to use the laser measuring tool without supervision. They could unintentionally blind other persons or themselves.

Do not use the laser viewing glasses as safety goggles.

The laser viewing glasses are used for improved visualization of the laser beam, but they do not protect against laser radiation.

Do not use the laser viewing glasses as sunglasses or in traffic. The laser viewing glasses do not afford complete UV protection and reduce color perception.

Have the measuring tool repaired only through qualified specialists using original spare parts. This ensures that the safety of the measuring tool is maintained.

Do not operate the measuring tool in explosive environments, such as in the presence of flammable liquids, gases or dusts. Sparks can be created in the measuring tool which may ignite the dust or fumes.

Please don't undo the housing of machine

Please avoid using in high temperature

Please avoid heavy shaking.

Please take out the battery for long-term storage.

I. Overview:

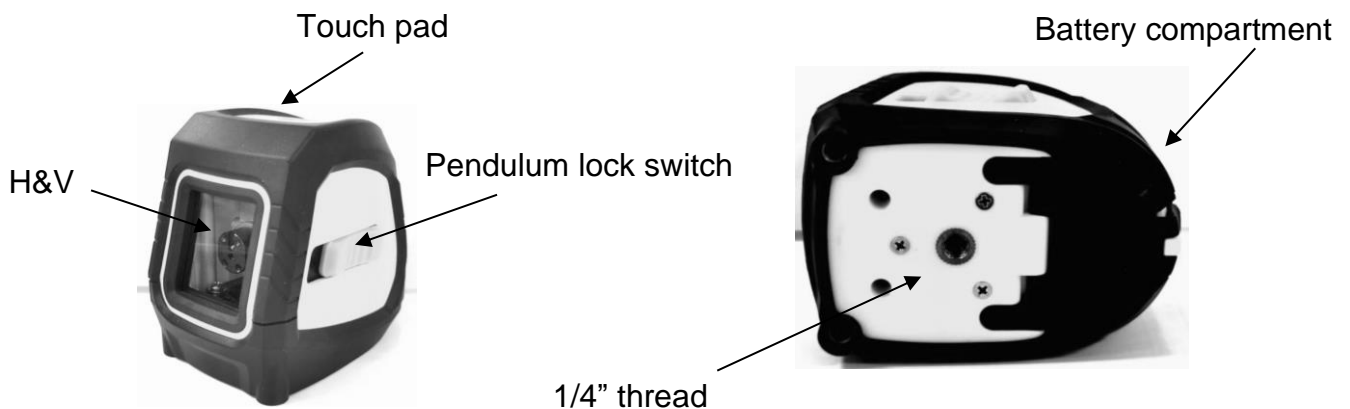
The EK-114 laser is a cross line laser level. This unit is self-leveling. The working range of this laser is up to 20m radius, depending on the work area's illumination. The two-line beams are generated from 515nm laser diode. The line beams have $\pm 2\text{mm}$ accuracy at up to 10m.

II. Features:

- Robust, heavy-duty
- Stable, Pendulum Lock Switch
- 1/4" Tripod Thread
- Touch pad, easy-function with single operation button
- Dust and water proof

III. Application

It suits for all kinds of indoor decoration.



The 1V1H green beam laser level is a precision instrument and should be treated with care. When not in use, the pendulum lock switch should always be in the Off position. Locking the pendulum lock switch allows the Cross Line Laser to better withstand vibration and trauma incurred during transportation or if the unit is dropped.



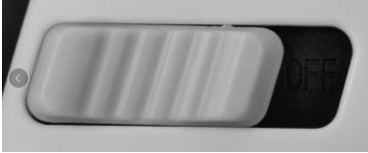
1) Slope mode under pendulum lock switch locked



Keep the laser pendulum lock switch locked, by holding touch pad for 3 seconds to activate the "slope function".

This mode cannot be used to perform horizontal and vertical leveling as the laser lines are no longer aligned automatically. The laser lines will keep flashing slowly.

2) Automatic leveling



When the pendulum lock switch is unlocked, the pendulum is free to automatically level. In order for the Cross Line Laser to automatically level, the base of the unit needs to be within 3° of level. When the pendulum lock switch is unlocked and the Cross Line Laser is within 3° of level, the unit will be in automatic leveling range. Should the base of the unit be outside the 3° leveling range the laser beam will flash quickly.

Low battery alarm:

The indicator will turn to red and keep flashing quickly when the working voltage of laser is below 2.3V. At this situation the alkaline batteries are required to be replaced. All lines will shut off once the voltage is below 2.0V.

What is included with your laser:

1. Instrument
2. User manual
3. Wall mount bracket
4. 2 x AA alkaline batteries
5. Pouch

Specification:

- Accuracy : $\pm 0,2\text{mm/m}$
- Leveling Range : $\pm 3^\circ$
- Working Range/with detector: 20m (Indoor) and 50m c/w detector
- Tripod Thread : 1/4"
- Laser Type : 515 nm, laser class II
- Power Supply : 2X1.5V AA Batteries
- Dimension: 100*65*89mm
- Dust & water proof: IP54
- Operating Temperature : -10°C to 40°C
- Working Time : 8hrs