

Quick Start EK-226P

INSTRUCTIONS



from P.R.Engineering Ltd www.laser-level.co.uk Tel: 01246 269 777

Thank you for purchasing the **EK-226P** automatic Cross Line Laser Level kit. These instructions are intended to explain the quick basics to operating this equipment. If you need any more information, or the unit requires calibration or repair, then please contact our Service Dept on tel 01246 269 777 or fax 01246 260 007. We are here to help.

Power source:

Unscrew the battery cover & remove carefully.

Fit 3 x type AA alkaline batteries. Take care with correct polarity as marked on the case. Refit the battery cover. The EK-226P will accept rechargeable batteries but there is no provision for charging in the laser. You will need to charge these batteries externally. We would also recommend that a spare set of batteries are kept in the carry case as a back-up.

Positioning the Laser:

Mount the EK-226P on a generally level, firm surface or 5/8" threaded Tripod. (note: an adapter may be required) To operate correctly, this surface must be within +/-3 deg of true horizontal. Use the top bubble level as a "guide".

Principle of Operation:

It is important to note that this bubble level does NOT set the accuracy of the level. The EK-226P has a fully automatic pendulum system to set true level.

IF THE EK-226P EMITS CONTINUOUS RED LASER LINES ie. not flashing, THEN THEY WILL BE TRUE LEVEL & PLUMB.

This laser can be used Indoors or Outside, where it is waterproof to IP54.

Controls:

A simple ON/OFF switch combined with a black transit latch is located on the side of the case. Position laser & centralise the bubble level, as described above. Switch ON - the top "H" LED will illuminate green & the horizontal red laser line will project onto the wall opposite. To switch OFF, press button "H" again.

A second button marked V1/V2 is used to switch both of the vertical laser plumb lines ON or OFF, either together or independently.

*Outdoor button - see details below, in the laser **Detector Procedure** section.

Working Range:

Depending on ambient lighting - generally 50m with detector & 10m without.

To set Squaring:

The EK-226P does have a squaring facility to set out 90 degrees.

Place the instrument on the floor & operate BOTH vertical lines. These will project along the floor (to set floor squaring), up the walls opposite & square on the ceiling above too.

The body of the laser can be slowly rotated by hand, keeping the feet in the same position. This gives a coarse setting on any plumb (vertical) lines.

The User can adjust the fine setting cross spindle to finalise line positions.

To set Plumb:

Again, switch on BOTH vertical lines. The Cross on the ceiling is true plumb with the red DOT below the instrument. This is an electronic equivalent of a plumb string line - a very convenient & useful feature.

To Switch OFF:

Simply turn the transit latch to **OFF / LOCK**.

Detector model FD-8

(colour may vary)



FD-8 DETECTOR IS AN
OPTIONAL EXTRA

Fit the supplied 9V battery, polarity marked. Power up via left hand ON/OFF button. The mode button is not used.

The User can switch the sounder On or OFF, as required with the right hand press button.

Bright LED's next to the red pick-up window show above/below or SET LEVEL. Both side & rear LED's simply repeat the main front display.

Use with or without its staff mounting bracket. Spare brackets are available.

Detector Procedure:

SWITCH ON the *OUTDOOR button.

Face the detector towards the EK-226P & find the centreline of the laser beams via the red pick-up window. Obtain a continuous tone for perfect level. Mark out.

Outdoor use....

If the sun is low in the sky & shining into the red window, shield it with a cupped hand to prevent false readings. Positioning the EK-226P laser itself in full sun is no problem but the detector window can in some instances, be affected by direct bright sunlight or reflections. So please take extra care!

Important

Only switch on the Outdoor button when you need a "pulsed output" to operate the detector. This will save battery power & make the normal red laser lines brighter - for general use.

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SAFETY PRECAUTIONS:

Comply with class II laser operating safety procedures.

Display a **Laser Safety Notice** in the working area.

General Advice:

This is an accurate measuring device - so to give good service, look after it!

Prevent the EK-226P from receiving severe knocks, bangs or vibration.

Store the laser & its accessories in the supplied, foam-lined carry case.

If wet, dry before storing & keep in storage temperatures between 5 - 30 deg C.

For long-term storage, remove all batteries - to prevent any internal damage.

There are NO User serviceable parts.



We offer a full Back-up service including calibration & usage advice.

Accessories for the various Trades are also available - on request.

eg. Floor-to-ceiling Pillar kits, tripods, staffs, wall brackets & adapters etc.

Please contact us:

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