

Quick Start EK-213G

INSTRUCTIONS



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

Thank you for purchasing the **EK-213G** green beam, 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:

Unclip the battery cover & remove carefully.

Fit 4 x type AA, Ni-Mh rechargeable batteries. Take care with correct polarity as marked on the case. Refit the battery cover.

The EK-213G batteries can be charged in the instrument using the supplied mains charger or outside the instrument using the other mains adapter.

Full charge is achieved after approx. 8 hours

The EK-213G will also accept alkaline batteries. Do NOT try to charge them as serious damage will be caused to the instrument.

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-213G on a generally level, firm surface or 5/8" threaded Tripod. (note: supplied adapter may be required) To operate correctly, this surface must be within +/-2.5 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-213G has a fully automatic pendulum system to set true level.

IF THE EK-213G EMITS CONTINUOUS GREEN LASER LINES ie. not flashing, THEN THEY WILL BE TRUE LEVEL & PLUMB.

This laser is designed for Indoor use only. It is not waterproof.

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 bubble level will illuminate, together with ALL four green lasers, noting the green down dot too.

The green lines & dot cannot be operated independently.

The EK-213G does not have a "pulsed output" for detector use, due to the very high intensity of the green beams.

Working Range:

Depending on ambient lighting - generally up to 30m indoors only.

To set Squaring:

The EK-2113G 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 & set 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 the plumb (vertical) lines.

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

To set Plumb:

Again switch on the vertical lines. The Cross on the ceiling is true plumb with the

green 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**.

SAFETY PRECAUTIONS:

Comply with class 3 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-213G 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, wall brackets & adapters etc.

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Please contact us:

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