



Using the Laser Level

1. Wear your protective equipment.
2. The laser level is a sensitive instrument; store it in its case when being carried or when not in use.
3. Switch off the laser before opening the battery case and changing batteries.
4. Do not allow anyone to work directly in the path of the laser beam. If you cannot clear the area, operate at a height above people's heads, or take other preventative action.
5. On rare occurrences, reflection from mirrors, vehicle windscreens, or other reflective surfaces can interfere with the accuracy of the laser device.

AFTER WORK

1. You are responsible for the safety and security of this equipment at all times, especially overnight. Always store all the equipment safely and securely as soon as you have finished using it.
2. When all measurement is finished replace this sensitive equipment in its container and return it to the hire company – do not leave it where it may become damaged.
3. If your equipment is faulty, do not attempt to repair it. Contact the hire company.

Please keep this leaflet safely as it may be required for future reference



Hire Association Europe
2450 Regents Court
The Crescent
Birmingham Business Park
Solithull B37 7YE

Telephone: 44 (0) 121 380 4600
Fax: 44 (0) 121 333 4109
Email: mail@hae.org.uk
website: www.hae.org.uk

©Copyright Hire Association Europe April 2011

Any unauthorised reproduction – manually or electronically – is STRICTLY prohibited

1. Use only the batteries supplied or recommended by the hire company. Check the battery life before starting. Some laser devices can use either rechargeable or single life-batteries. Do not mix rechargeable batteries with single life-batteries in the battery case and changing batteries.
3. Switch off the laser before opening the battery case and changing batteries.
4. If changing batteries change all of them, do not mix old batteries with unused ones.
5. On some laser devices you may be able to recharge the batteries while the device is set up and in use. Do not do this unless the instructions are specific. Follow any instructions printed on the equipment or given by the hire company.
6. Do not try to recharge single-life batteries.
7. If storing the equipment for a few days or longer, remove the batteries. The acid in some batteries may cause burns to skin or clothing. Take care not to damage them.
8. Do not dispose of any battery in a fire, they may explode. Dispose of spent batteries according to local environment regulations; or return them to the hire company.

1. Your equipment may have auto levelling facility still requires that you levelled manually.
 2. Even equipment that has auto levelling facility still requires that you set it up within +5° of level.
 3. To level the equipment you must ensure the bubble inside the levelling window is within the inner circle marked.
- ### SETTING UP
3. The radiation from this equipment do not look directly into the laser beam.
 6. If you are unfamiliar with this type of laser equipment, study it carefully before starting. Practice its use before doing the actual surveying tasks.



Before Starting Work...

Laser Level

The rules and procedures in force where people are at work may require the person responsible for this equipment to carry out a specific risk assessment.

It is important to read this entire leaflet BEFORE using the Laser Level



1. Plan the use of the Laser Level so that it can always be used safely.
2. This equipment can cause laser radiation burns, do not remove covers when the equipment is switched on.
3. Lasers can be injurious to the eye – do not look directly into a laser beam.
4. Do not ignore safety warnings – follow all instructions printed on the equipment or its containers.
5. The batteries in this equipment can produce an electric shock if mishandled, especially when wet. Do not dispose of spent batteries in a fire, they will explode.
6. This laser equipment is a delicate instrument, take care in use, and always store it carefully in its proper container.
7. This laser level is designed to provide an accurate method of laying out the levels on an internal or external site. The process can usually be managed by one person.
8. Injury or damage may occur if this equipment is carried while it is set up. Always remove the laser from its tripod or other mounting and secure it in its case before relocating.
9. Some prior surveying knowledge, and use of laser equipment skills, is essential. This safety leaflet does not give instruction in the operation and use of this equipment.



Every effort has been made by HAE/EHA to ensure that the information given in this document and supporting material is accurate and not misleading. HAE/EHA cannot accept responsibility for any loss or liability perceived to have arisen from the use of any such document/material. Only Acts of Parliament and Statutory Instruments have the force of law and only the courts can authoritatively interpret the law.



1. Depending on what task you are doing you may need a clear field of vision through 360 degrees in the area that you are working in. Parked vehicles or other similar large obstacles may interfere with the readings and cause inaccuracies.
 2. It would reduce the risk of laser induced injury and enable your tasks to be completed more efficiently and accurately if your work area is cleared of people and vehicular traffic while the laser is in use.
 3. Do not allow unauthorised persons to use the laser.
- ### SURVEY AREA
1. Ensure that you are alert and exercise care in using this laser. Do not operate this equipment if you are tired or under the influence of drugs or alcohol.
 2. The following items of personal protective equipment (ppe) are the minimum that should be worn when you use the laser level. Particular jobs or environments may require a higher level of protection.
 3. Risk assessment or construction site regulations may require that you wear a safety helmet to EN397 or BS5240.
 4. You should wear safety boots or other similar large vehicles or other similar large obstacles may interfere with the readings and cause inaccuracies.
 5. Anybody who is working near to you will also need to wear appropriate personal protective equipment.
- ### LASER LEVEL
1. Assume the laser is always in an operating condition until the switch is switched off.
 2. Laser light is hazardous to the eyes;