

# Safe Operating Procedure Laser Level

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We are located at:  
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The instructions recommended within this document apply to normal risk conditions. If the Laser Level is to be operated in a dangerous or hostile environment, the user/client is responsible for conducting an appropriate risk analysis and applying suitable controls to mitigate those additional risks.

This instruction should be read in conjunction with the Risk Assessment.

## GENERAL SAFETY

- Wear appropriate PPE when working with laser
- Display laser in use sign to alert bystanders of the beam
- Never look directly into beam

## TRANSPORT OF LASER LEVEL

- Ensure tripod and staff are firmly tied down on transport vehicle without damaging engine and fittings
- Secure laser box so that it does not roll around tray or cabin

## OPERATING PROCEDURE

- Ensure tripod legs are fully extended and level
- Firmly secure laser to top of tripod
- **Never operate in wet weather**
- **Check terrain to ensure stability**

## SHUT DOWN PROCEDURE

- Turn power off and remove from tripod once laser has stopped rotating
- Return laser to box ensuring all components are dry and clean
- Pack tripod and secure with attached strap

## INSPECTION AND MAINTENANCE

- Ensure laser is kept clean and dry
- Inspect tripod prior to use to ensure legs are good working order

**The above instructions must be followed at all times. If any of the instructions are not possible, contact the site supervisor for an assessment of any safety requirements.**

# Laser Level Risk Assessment

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Likely Risk Issue	Who/ What may be harmed? (Specific Persons)	What is the Rate Level? (Rate risk as Low, Medium or High)	What Risk Control Actions Needs to Be Taken? (What needs to be considered so that the risks are identified and effectively controlled)	Time Frame
Eye damage due to contact with beam	Operator Staff	Severity of Risk (S)- 2 Likelihood of Risk (L)- 2 Overall Risk (S x L)= 4 <b>MEDIUM</b>	<ul style="list-style-type: none"><li>• Never look directly at beam</li><li>• Display laser in use sign to alert bystanders</li><li>• Wear appropriate safety glasses</li><li>•</li></ul>	Every hire
Tripod Collapse	Operator Staff	Severity of Risk (S)- 1 Likelihood of Risk (L)- 1 Overall Risk (S x L)= 1 <b>LOW</b>	<ul style="list-style-type: none"><li>• Ensure stabilizer legs are spread in operating position</li><li>• Place the tripod on stable, level ground</li><li>• Regularly monitor condition of tripod to ensure no damage</li></ul>	Every hire

## Calculation of Risk Evaluation

**Severity of Risk (S)** is judged by evaluating the effects of the hazard if the risk occurs. This is evaluated as Minor = 1, Major = 2, Serious = 3

**Risk Likelihood (L)** - The likelihood of the harm occurring is evaluated on the basis of: Unlikely =1, Possible = 2, Likely = 3

**Overall Risk** is calculated by multiplying the figure for Severity (S) and Likelihood (L).

The overall risk figure calculated is related to the Risk Level of either Low: 1 to 3; Medium: 4 to 6 or High: 7 to 9

**NB** This is a generic risk assessment only. It is advisable to carry out a site-specific assessment prior to using this equipment.