

## EQUIPMENT CARE

**Always remove the optical level from the tripod when repositioning or during transportation.**

**Never push the equipment beyond its design limits.** If it will not do what you want with reasonable ease, assume you have the wrong tool for the job. Contact your local HSS Hire Shop for advice.

**Keep the equipment clean.** You will find it performs better if you clean it regularly rather than wait until the end of the hire period.

**Do not clean under running water. Wipe the optical level housing, tripod and measuring staff using a moist cloth. Clean the lens by blowing the dust away and using a clean, soft cloth. Do not touch the lens with your fingers as you will leave grease marks.**

**Do not use in, or expose the level to heavy rainfall or extreme weather.**

When not in use, **store the equipment, somewhere clean, dry and safe** from thieves.

## FINISHING OFF

**Remove the level from the tripod stand and wipe the equipment** (See equipment care).

**Return the level to its carry case and fold down the tripod.** Secure the legs with the straps provided. **Wipe down the staff** to remove any grit and then **collapse the telescopic sections.**



### ...any comments?

If you have any suggestions to enable us to improve the information within this guide please e-mail your comments or write to the Safety Guide Manager at the address below  
e-mail: [safety@hss.com](mailto:safety@hss.com)

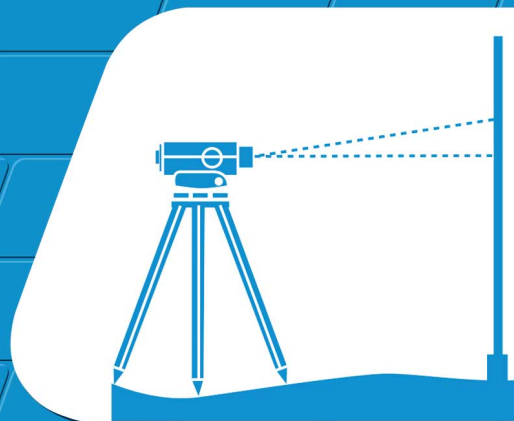
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## Operating & Safety Guide 675

# HSS Hire



## Quick Set Optical Level

For the measuring of different heights,  
gradients and levels on building sites.

Code 49310

## GENERAL SAFETY

For advice on the safety and suitability of this equipment please contact your local HSS Hire Shop.

This optical level should only be used by a competent person who has read and understood these instructions.

Check the equipment before use, if it shows any signs of damage or excessive wear, return it.

### High Intensity Light

Whilst viewing through the lens, do not look directly towards the sun or any visible laser beams which may be operating on site.

## GETTING STARTED

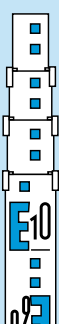
Set up the tripod by extending the lengths of the legs until the tripod head is at your chin height. Tighten the screws on the legs and then open the tripod legs. They are designed to be pushed into soft ground for extra stability. **The objective of setting up is to have the tripod head as horizontal as possible.**

Mount the optical level by fastening onto the head of the tripod with the central thread.

Use the three foot screws to set the level. When level, the 'circular bubble' should be located inside the inner circle. For accuracy, the circular bubble should be viewed through the view mirror on the side of the main body. The level has a built-in magnetic compensator which means once it is set, it will not need to be adjusted if changing direction.

To focus the optical level, look through the eye focus and adjust until the cross-hairs are as dark and pronounced as possible.

Measuring Staff



Line up the optical level by viewing the measuring staff through the 'gun sight'. Once lined up use the slow motion screw to centre the lens onto the staff.

The optical level is now set up and ready to use.

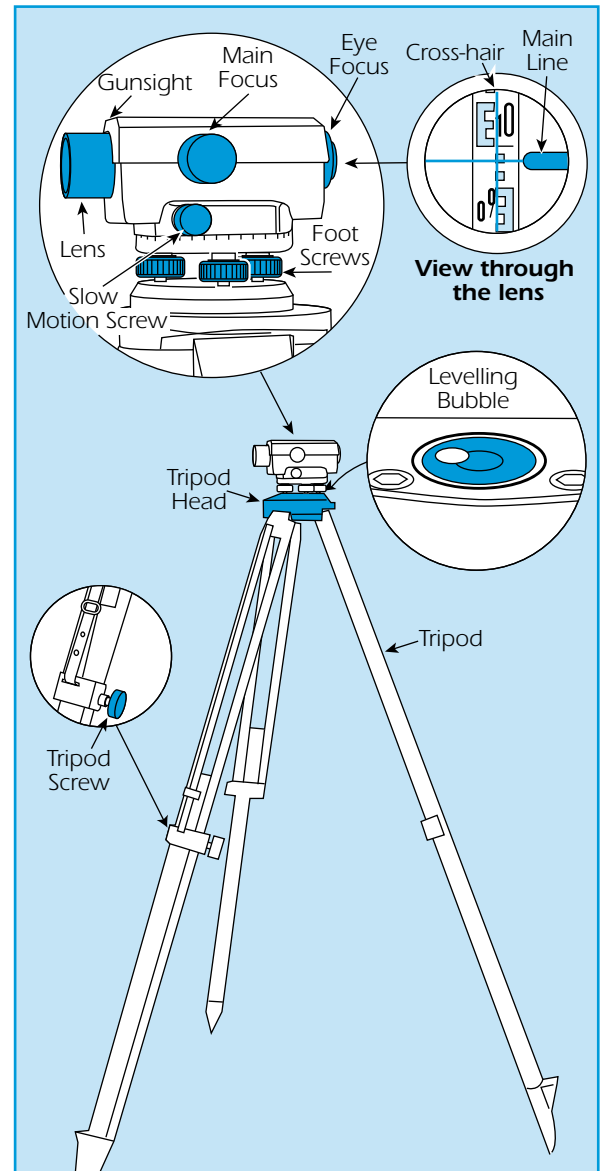
The measuring staff can be set up by extending the telescopic sections. Be careful of any overhead power cables and obstructions when setting up or moving the staff, it can extend up to 4 metres in height.

## BASIC TECHNIQUES

This a two person operation, one person should operate the level, the other should hold the measuring staff in the required position.

This optical level uses the industry standard 'E - reading' system.

To ensure an accurate reading, it is very important to hold the measuring staff exactly vertical and without movement.



# Know Your Symbols

HSS have created clear Icons to inform the hirer of their responsibilities towards the safe use of hire equipment.

These are designed to reduce the amount of different safety information labels required for each product for hire.

## General use PPE / Warning

Clearly marked minimum PPE will be visible on all equipment,



Correct PPE must be worn



HAV Hand Arm Vibration



Danger Rotating blade



Danger Hot exhaust



Danger Electric shock



Caution Abrasive Wheel



Caution Finger trap

## Fuel and Supply Types



Pe  
Petrol



Di  
Diesel



2t  
2 - Stroke Petrol



EI  
Electric

## Safe Procedures

All hirers must understand and respect the safe procedures of all equipment.

It is the responsibility of the hirer to maintain and return the equipment in a clean condition and good working order.



Ro  
Read OPS Guide



Ou  
Outdoor Use only



HI  
Heavy Lifting



Cd  
Check Oil daily



Cf  
Check Fuel daily



Cw  
Check Water daily



Bc  
Battery Care



Sh  
Safe Height Working



Swl  
Refer to Data Plate



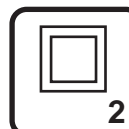
V  
Check Power Voltage Data Plate

## Electrical Safety

Safe wiring procedures.



Ea  
Must be Earthed Class 1



Doi  
Double Insulated Class 2



Enl  
Earth Live Neutral Wire Coding

## Return Responsibility

Charges apply to equipment returned dirty and damaged.



Cc  
Cleaning Charge



Rc  
Repair Charge