

Caution

The auto size routine cannot guarantee accurate assessment of a rebar's diameter but experience has shown that the likely variance will be one bar size. If in doubt expose a small portion of the rebar.

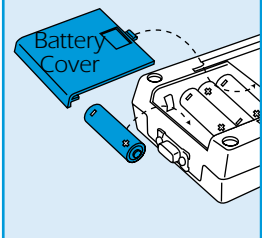
EQUIPMENT CARE

Never push the equipment beyond its design limits. If it is unsuitable for the task you are performing **DO NOT USE OR RELY ON IT**. Contact your local HSS Safe and Sure Depot for advice.

Keep the equipment clean – you will find this less of a chore if you clean it regularly, rather than wait until the end of the hire period.

The HSS rebar locator is battery powered by four AA sized batteries. To change the batteries **remove the cover** on the rear of the covermeter and **remove the old batteries**. Replace the batteries, paying attention to the polarity and **replace the cover**. **Only use quality batteries from a reputable manufacture** if in doubt contact your HSS Safe & Sure Depot.

Battery Pack



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

FINISHING OFF

When you have finished with the unit turn it **OFF**, give it a final clean, detach the search head from the covermeter and pack it and the search head into the carrying case. Ensure all other components used are in the carry case, ready for return to your local HSS Safe and Sure Depot.

Cleaning

The operator has a duty of care to ensure the equipment is returned clean of any potentially harmful contaminants or body fluids. Equipment that has not been cleaned will not be accepted back by HSS.



Rebar Locator

Lightweight portable hand held rebar locator for reinforcement bars up to 360mm deep.



...any comments?

If you have any suggestions to enable us to improve the information within this guide please fax your comments or write to the Product Manager at the address below

Fax: 020 8687 5001

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Code 49550

GENERAL SAFETY

For advice on the safety and suitability of this equipment contact your local HSS Safe and Sure Depot.

There is a serious risk of personal injury if you do not follow all instructions laid down in this guide.


The hirer has a responsibility to ensure that all necessary risk assessments have been completed prior to the use of this equipment.


This equipment should only be used by an operator who has been deemed competent to do so by his/her employer.

This equipment may be used in a workplace subject to a permit to work; it is the hirer's responsibility to ensure that the equipment's technical specification meets the requirements of any such permit to work prior to starting work. For further technical information contact your local HSS Safe and Sure Depot.

This equipment should be used by an able bodied, competent adult who has read and understood these instructions. Anyone with either a temporary or permanent disability, should seek expert advice before using it.

Keep children, animals and bystanders away from the work area. Cordon off a NO GO area using cones and either barriers or tape, available for hire from your local HSS Safe and Sure Depot.

 Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.

 Wear sensible, suitably protective clothing and footwear plus any safety wear appropriate to the work in progress.

Make sure you know how to operate this equipment safely and are aware of its limitations before you use it.

Make sure that anyone in the immediate work area is warned of what you are doing.

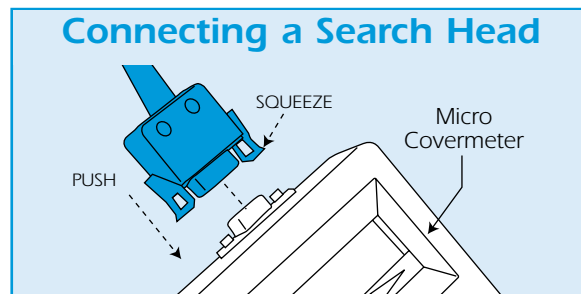
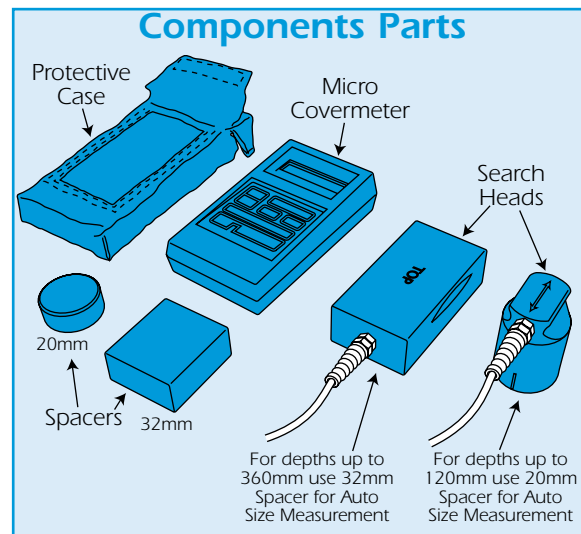
Check the condition of the equipment before use. If it shows signs of damage or excessive wear, return it to your local HSS Safe and Sure Depot.

COSHH information sheets are available from your local HSS Safe and Sure Depot.

GETTING STARTED

Unpack all the components from the carrying bag and lay them out in a clear and clean area.

Before using the Rebar Locator you must determine the likely depth of the rebar you are looking for. For bar expected at up to 120mm depth use the round search head and if expecting bar at a greater depth but up to 360mm select the rectangular search head.



Each search head is connected in the same manner, squeeze the tabs either side of the block connector on the selected search head and plug into the socket on top of the covermeter.

Turn ON the unit by pressing the ON button, wait for the unit to go through a start up routine for a few seconds.

Before you use the unit it must be calibrated, hold the search head at least one meter from any metal and press the Cal button and wait for two warning beeps.

Calibration

The unit MUST be calibrated each and every time it is turned ON, AND every time the search heads are changed.

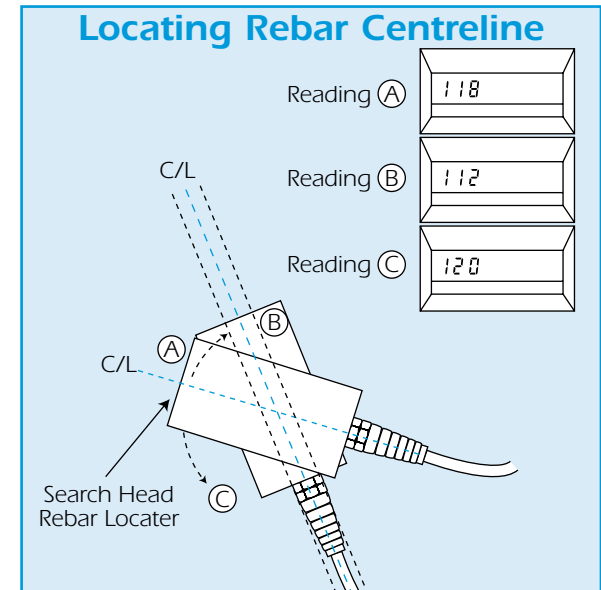
The unit must be set for the expected diameter and type of rebar. Pressing and holding the size button will page through the 10 options from 5 – 40 mm. Press the type key to select the expected type of bar. The button toggles between the two options, 1 for high tensile and 2 for mild steel.

Once the unit is calibrated and the bar type and width are selected the unit is ready for use.

If you are to use the unit in a damp or dusty atmosphere place the unit in its protective case.

BASIC TECHNIQUES

Place the search head on the surface to be checked and move it along the wall while observing the depth of rebar on the read out screen. When you see the indicated number fall, stop moving the search head.



Slowly rotate the search head and watch the read out screen. The depth indicator should rise and fall as you rotate the head, when the lowest number is reached then the rebar centre line will be the same as the centre line on the search head.

When a rebar has been located and the direction of it has been found mark a line on the wall to indicate its position.

Repeat operation across whole surface to be checked.

Press the audio button to toggle between the audio option being ON or OFF. The audio option will make the device emit a noise as the search head is brought near a rebar, as the distance between the rebar and the search decreases the pitch of the noise will increase.

It might be necessary to accurately assess the diameter of a particular rebar. If this is needed carry out the following auto size procedure.

Locate the rebar as described above and press the memory button. Lift the search head and place the correct spacer between the search head and the surface. (See illustration for correct spacer.) Press the memory button again. Press the auto size button and the display will show the calculated bar diameter. Press the auto size button to turn OFF the option.