

Before Starting Work.

ΜΟΒΚ ΕΝΛΙΒΟΝΜΕΝΤ Before Starting Work

waterproof, they can be used anywhere generator are battery powered and The cable locator and the signal 1

- clear and safe and that there is no-on Make sure that your work environment is on site, and in all-weather condition.
- **SROTAR340** near who could distract you.
- require a nigner level of protection. environments on certain sites may equipment (ppe) are the minimum that should be worn. Particular jobs or following items of personal protective site regulations may dictate that the cable locator and signal generator but ednibueut is required to operate the No special personal protective 1
- · (2/64/028188 You must wear safety boots (EN345 or ·ح
- afety helmet (EN397 or BS5240) at all On a construction site you must wear a 33
- also need to wear appropriate personal protective equipment. Anybody who is working near to you will ອເມເາ

- locator should be stored sately when not such. It should not be dropped, thrown on the ground, or left lying around. The cable instrument, and should be treated as ٦. g precision SĮ The cable locator **CABLE LOCATOR**
- damaged or appears to be faulty, do not Check your cable locator. If it looks .S ·əsn ui
- use it contact the hire company.
- Squeeze the trigger on and off and listen 31
- τοι της αυαιρίε ριθέρ τη τείτε γου τη ατ της

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eading. HAE/EHA cannot accept responsibility for any loss or liability perc of any such document/material. Only Acts of Parliament and Statutory Ins





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or permanent disability must seek expert advice before using it.

1415 Safety Guidance

It is important to read all of this leaflet BEFORE

you use the cable locator and signal generator

1. DO NOT connect any part of the signal generator to un-

instructions supplied. If in doubt seek competent advice.

insulated live conductors. If you plan to locate live conductors

with the aid of the signal generator, read all of the operating

This equipment is otherwise safe to use on un-energised

cables or on metal pipes and conduits, or on non - metallic

accidentally cutting through a services pipe or cable with serious results

Cable Locators & Signal Generators

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.

Incorrect use of equipment, or incorrect interpretation of its findings, may result in

Take the time to ensure that you fully understand the equipment and how to use it properly.

The cable locator by itself is designed to locate buried cables and other conductors,

The signals generator is designed to send a signal through buried cables and pipes that

are 'switched off' or not connected. This enables the cable locator to easily detect them.

Personal protective equipment is not needed to operate the cable and signal generators,

but site conditions may dictate that you wear: Safety boots EN345 OR BS1870/4972; Safety

This equipment must not be used by minors, or by anyone under the influence of drugs or

This equipment is designed for operation by an able bodied adult. Anyone with either temporary

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oron the use of any such document/material. Only Acts of Parliament and Statu have the force of law and only the courts can authoritatively interpret the law.

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Locate

Most locators have

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change the batteries.

and lock the battery compartment.

ail@hae.org.uk



- used without the signal generator. 10. In these two modes, the cable locator is

- 11. The other position on the function switch

distant radio, or other VLF transmitters.

frequencies (Very low frequency) from

OIDEL LIRUAC BUIRRIOSALAIR ING UMO JIAUT

Another position is radio mode, which enables the cable locator to locate LONG

which enables the cable locator to locate energised power cables, it will find other pipes and cables, which are near enough

One of the positions is power mode

have electronic function controls:

these positions. Some cable locators

sure you understand when to use each of

operates, usually to three positions. Make

Find and check that the function switch

your ear on noisy sites. Find and check

loudspeakers that can be held close to

Change the batteries, and carefully close

may be a spare battery pack in space

compartment. Make sure there are the correct numbers of batteries in use. There

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batteries are good. If there is no bleep,

əqt

detachable

pattery

pes and cables that have no energy of

energised power cable to pick up









































pipes with trace wires.

helmet EN397 or BS5240.

allowing you to locate or avoid them.

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alcohol





is accurate and not misl

to have arisen t



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hrovided.

3. Locate

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may be a spare battery pack in space

correct number of batteries in use, there

compartment. Make sure there are the

bleep tells you that batteries are good. If

Find the controls and learn how they work, switch and listen for the audible

damaged or appears to be raury, do not

Check your signal generator. If it looks

mark the location and direction of the pipe

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when switched on; direct interference will

the body of the locator, in order to learn

check that it is working. Read the operating instructions, usually printed on

- meter radius of the signal generator

r works, and how to interpret the

12. Spray marker paint on the ground, to

14. Make sure you understand how the cable

13. Do not operate the capie locator within a

12. There should be a sensitivity control:

(see the section signal generator).

there is no bleep, change the batteries.

use it - contact the hire company.

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you have located.

now to use it correctly.

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Using the Cable Locators & Signal Generators

pipe.

to the pipe located.

Metal cover locator

tuning control.

signal generator.

company.

USING THE EQUIPMENT

For guidance on managing

construction health risks go to www.hse.gov.uk/construction 20. Now use the cable locator to locate the

21. This is the mode to use whenever you attach a cable from the signal generator

22. Most signal generators can also be used

23. Switch to this mode and adjust the

24. Follow the instructions in the instruction

booklet or printed on the side of the

Wear your protective equipment as required by site rules.

If your equipment does not work properly

do not attempt to repair it. Contact the hire

You may want to read this leaflet again.

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44 (0) 121 333 4109

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Please keep it until vou finish work

covers and metal manhole covers.

as a locator. They can locate metal box

signal, and the pipe. Use marker paint to

mark the location and direction of the

- 14. If the signal generator is laid on its side with the loudspeaker facing up, the generator signal is spread over a wider area into all pipes and cables within the vicinity.
- 15. The signal can also be induced into underground electrical systems by (for example) placing the signal generator, in the induction mode, against a street
- lamp 16. The third mode is connection, should be used instead of induction
- mode whenever possible.
- 17. Plug one end of the lead into the (signal) generator, and fasten the alligator clip or magnet on the other end of the pipe you
- want to locate. 18. Plug the long ground (earth) lead into jack socket, the alligator clip on the other
- end is fastened to the metal stake, which has been driven into the ground.
- 19. Check that the signal has been successfully applied to the pipe by detaching and re-attaching the alligator clip to the pipe. The sound from the signal generator loudspeaker will distinctly change tone.

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

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pattery

you need the signal generator to produce the signal for the cable locator to detect -2 is for signal generator mode. In this mode company. sounds damaged - contact the hire Check the loudspeaker, if it looks .9

the signal generator. One is the signal socket allowing you to plug in various There should be at least two sockets on

sure you understand when to use each of

Locate the function switch and check that

the batteries. save the batteries.

it moves to all the marked positions. Mai

- cables to carry the signal to the pipe via an alligator clip or clamp. Another socket
- is where you plug in the earth lead.
- ectrical wires weather they are θΛI Do not connect the alligator clips to any .8

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and meretore the pipe. Use marker paint

directly above, and in line with, a known

only, place the signal generator upright,

connecting the signal generators to

mode there should be no wires or cables

the signal generator off when not in use,

selected by the operation of one function

to be picked up by the cable locator. On most signal generators the modes are

in each mode you are generating a signal

Inree or more signal modes. Hemember

The signal generator will produce up to

11. The second mode is induction. In this

10. The first mode is OFF. You must switch

or batteries will quickly discharge.

13. Use the cable locator to find the signal,

12. For selective induction, i.e. one pipe

part of the pipe located.

anything external.

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