

EPITRACE

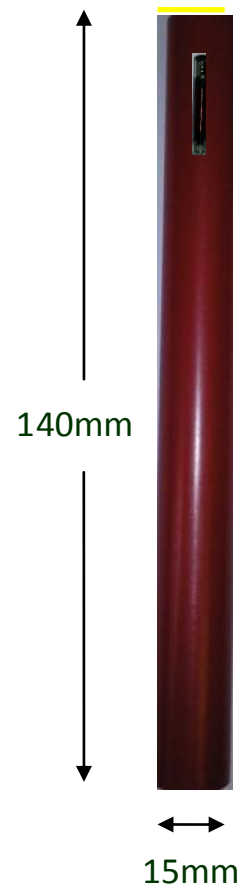
USER GUIDE AND OPERATING INSTRUCTIONS

Welcome to Epitrace

We hope you find this user guide straightforward. Due to the short read distance of the microchip, **Epitrace** is not a long range locating system but more a device for final confirmation of identity when close to the grave. As such we recommend it always be placed in a standard position relative to the grave, and used in conjunction with other methods of mapping the plots, for example office wall diagrams, computer mapping, trig points, GPS, laser positioning, even measurements from fixed points like boundaries, boulders, and gates. As it is designed to provide both relatives and burial ground owners with very long term precise identification of interments, correct installation is important, so do not hesitate to get in touch if you have any query concerning implantation of the grave pegs or scanning operations.

1. THE MICROCHIP

The 'chip' consists of a uniquely numbered integrated circuit and antenna, totally enclosed in a 32 x 3mm glass tube which in turn is sealed inside a waterproof hard plastic rod just under the yellow end. The device should last indefinitely, requiring no maintenance or battery, and dropping the peg onto a hard surface should not cause damage. The chip number is pre-programmed at manufacture and cannot be altered. Each peg is supplied with four identical barcode labels below each of which is the visible chip number. Keep one of the labels off site for backup purposes, another can be fixed on a wall map of the grave positions, and another, if you feel it is appropriate, given to the grave owner for confirmation of discreet long term ID.



Before use scan the chip as below and confirm that the number on the reader screen corresponds to the one on each barcode label.



2. IMPLANTATION

Implantation may be required to designate either a reserved plot or an actual full body or cremated remains interment. In each case, select a location in **undisturbed ground** that can become a standard position relative to the usual grave dimensions. One foot above the 'head' end is recommended, but never in the grave itself due to probable settlement. Use the grey 'dibber' supplied and it should be pushed or hammered into the ground until it is nearly level with the surface. Remove it and drop in the red peg, white cap facing up, and fill up any remaining space with soil and pack down so that the peg is stable and vertical. Test readability with the scanner again as below. The peg may also be used initially halfway in the ground as a visible marker to direct a grave digger to prepare the correct plot.

3. THE HAND HELD SCANNER

The Halo Scanner has been developed to read most microchips used in identification of pets and livestock, so you can also try it out on your dog or cat!

To use it just follow the instructions enclosed.

With the CD installed It can even download a list of missing animals registered on PETLOG to assist repatriation



The scanner is designed to read all ISO FDXB chips. It generates a small magnetic field that activates the microchip when within range. The chip will respond if within about 4" and the scanner will display the microchip's unique ID number on its LCD screen with an audible 2 beeps.

If there is no microchip within range, then after 20 seconds the scanner will display **'NO TAG FOUND!'** and a single beep. This may be due to implanting more than the maximum 'read' distance.

The scanner will keep the ID number displayed for a minute, after which it will automatically turn off to conserve battery life.

A 32mm microchip can be 'read' at up to 12cm .

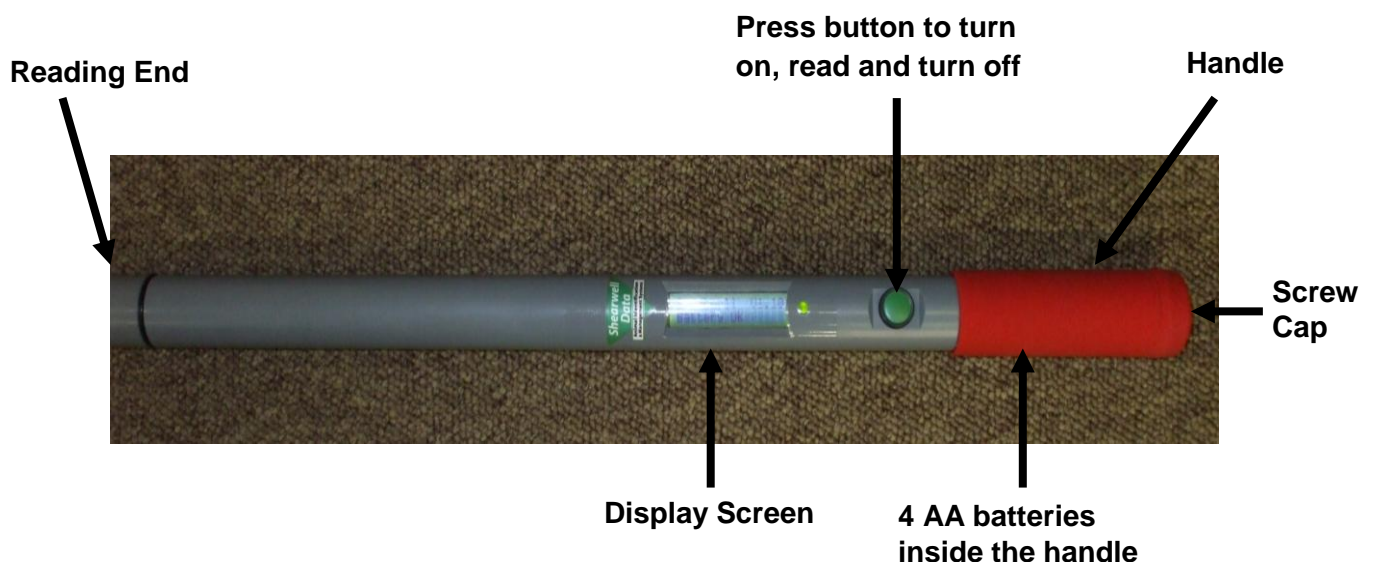
Operation will be unaffected by stone plaques, rain, standing water, or temperatures between -20°C and +100°C.

Please note that the system will not operate if there is any type of metal barrier between chip and reader.

This scanner operates at 125-134.2 KHz, and weighs 250g

The scanner carries a 12 month warranty or money back guarantee (if returned within 14 days in as new condition).

4. THE POLE READER



Batteries

The pole reader is powered by four AA batteries. These can be standard or rechargeable batteries and a recharger is supplied. To replace

1. Open the reader by unscrewing the end of the red handle anticlockwise.
2. Using the loop, pull out the battery compartment and insert the batteries into the holder ensuring that the positive and negative (+ / -) on the batteries match up with the (+ / -) on the holder.
3. Replace the holder with the green arrow and green circle facing the same way as the green button on the reader ensuring that the battery pack is aligned with the grooves inside the stick reader.
4. Replace the end of the reader.



Power On

To turn on the reader press the green button once. (Do not hold down)

The display will turn on and will read 'Shearwell' and display the version number.

If the batteries have sufficient charge, the words 'Battery OK' will be displayed. If 'Battery Low' is displayed, please charge the batteries with the accessories supplied.

The small LED light between the green button and display screen will be green if the batteries are OK.



Power Off

To turn the reader off, press and hold the green button for at least two seconds. The reader will turn itself off after 3½ minutes of no use.

Reading the peg

Turn the reader on as above (Press the green button once)

Press the green button to read

The display will show 'Scanning' and the LED light will be orange

Pairing with the pole reader.

The Pole reader and Tablet need to be partnered with each other electronically. This will be completed at ASSETtrac Ltd prior to installation

Connecting the Pole Reader with the Tablet

Switch on the pole reader and then run the Epitrace program on the Tablet. Click 'Connect' when prompted. As soon as 'Connected' is displayed, you may scan a grave peg. A beep and chip number will be seen on the reader. Via the wireless

Bluetooth connection, the record associated with that microchip number will be instantly displayed on the tablet, showing all the details originally seen on your PC. It is important that the pole reader and tablet remain within 10-15 feet of each other while scanning for the Bluetooth connection to function properly.



For companies or burial authorities already managing traditional cemeteries or crematoria, it is possible to link any natural burial records set up on existing administration systems directly with the Tablet. Call us for further details on +44 (0)1273 491267

6. NOTES

While extremely unlikely, over the long term there is the remote possibility of disturbance to the peg from roots, subsidence or rodents. A yearly 'reading' of all pegs should become a regular practice, as it also helps to transfer site knowledge to new employees.

Microchips have many more uses where barcodes and other forms of identification would degrade in hostile environments. They can be encapsulated as nails for trees, cable ties for rose tree leases, discs for foundations and memorials, as self adhesive badges for power tools and vehicles, and injected into outdoor furniture and sculpture for security. Each item can be uniquely linked to an asset management system for risk assessments, planned maintenance and with warning labels, deterring theft and proving ownership.

Microchips are available from ASSETtrac for all types of applications. Please call for details.

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