

Dual Frequency Sonde

Quick Start Guide

⚠ Please ensure you read the user manual before using this product. The quick start guide is NOT a substitute for the User Manual.

NOTE: The thread on the Sonde is a male M10, and comes with adaptors to both British and European drain rods.

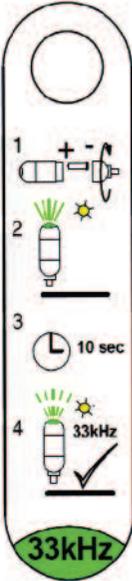
33 kHz Mode

- 1 ✓ Unscrew and remove end cap
✓ Insert battery, positive end first
✓ Refit end cap securely

- 2 ✓ Hold Sonde Upright
✓ Confirm green light is continuous

- 3 ✓ Wait approximately 10 seconds for the green light to start flashing

- 4 ✓ With the green light flashing, the Sonde is ready for use at 33kHz



8 kHz Mode

- 1 ✓ Unscrew and remove end cap
✓ Insert battery, positive end first
✓ Refit end cap securely

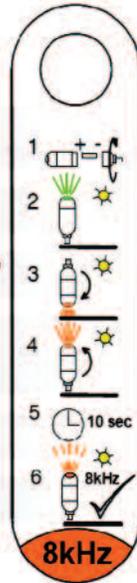
- 2 ✓ Hold Sonde Upright
✓ Confirm green light is continuous

- 3 ✓ Rotate Sonde so the light points down
✓ Wait approximately 1 second

- 4 ✓ Rotate Sonde upright
✓ Confirm orange coloured light is continuous. (If light remains green repeat from step 1)

- 5 ✓ Wait approximately 10 seconds for the orange light to start flashing

- 6 ✓ With the orange light flashing, the Sonde is ready for use at 8kHz



NOTE: Once the function of the Sonde has been checked with a locator set to the same operating mode it can be attached to drain rods or other means of guiding it into the service being traced.

YORK Survey Supply



33kHz Sonde



Code: 514970

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Operating Instructions

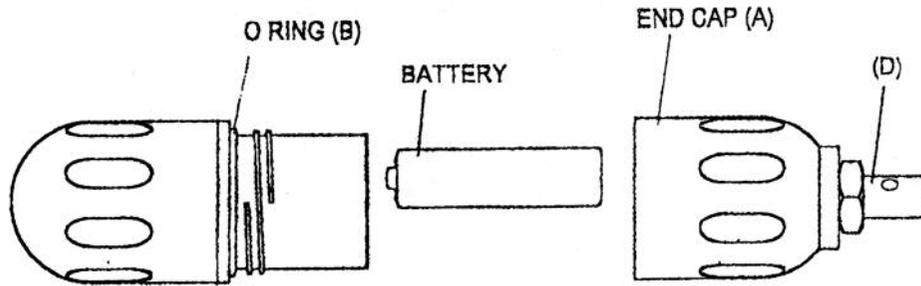
33kHz Standard Sonde

38mm for non-metallic pipes and hollow services (50mm I.D. and above)

1. Connection of Battery (AA / LR6 / MN1500)

Unscrew end cap (A) and insert battery into sonde as shown and firmly replace end cap. The sonde transmits a signal immediately the end cap is replaced and is ready for connection to the drain rod.

(N.B. Occasionally grease the 'O' ring (B) with silicone grease to ensure watertight fit.)



2. Fit Sonde to Drain Rod

The sonde has an M10 male thread screw fitting (D). Adaptors are available to fit a variety of standard drain rods.

3. Insertion of the Sonde

Turn the rods clockwise to avoid the sonde becoming unscrewed.

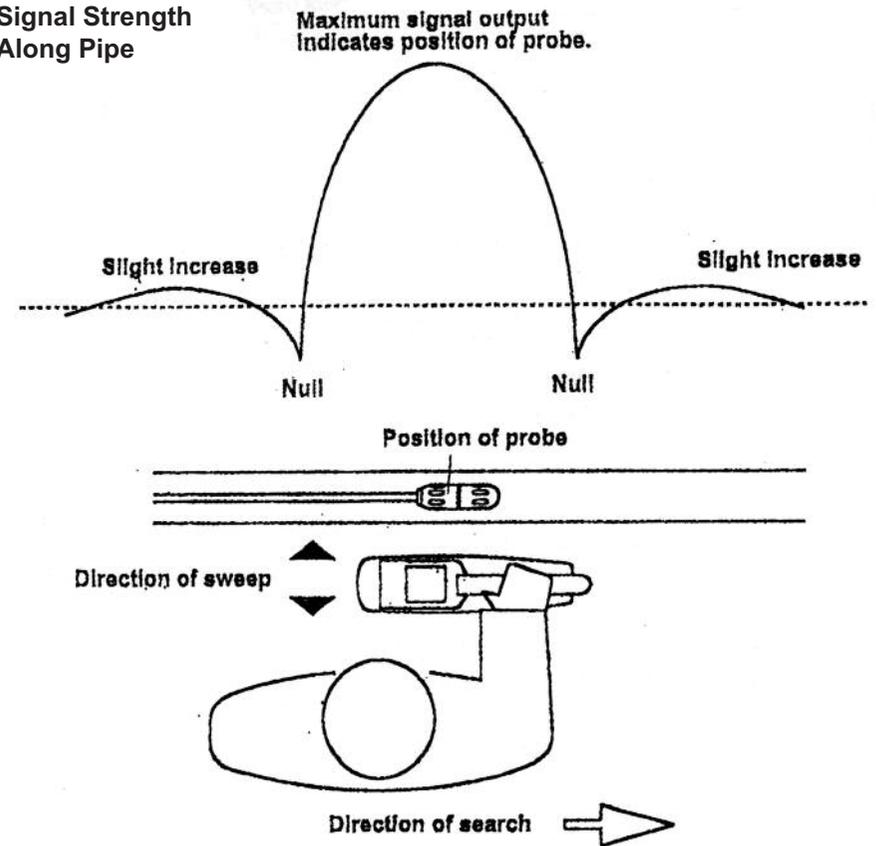
4. Locating the Sonde

Check the frequency is compatible with the receiver (a practical check is best)

Location is achieved by using the Cable Avoidance Tool in Generator mode and finding the point of maximum signal strength. The progress of the sonde is traced by the operator moving sideways parallel to the pipe and sweeping the unit backwards and forwards (see diagram). Along the pipe the signal produced rises slightly and falls to a null before and after the maximum signal, which is achieved directly over the sonde. These side signals are only significant for sonde depths less than 1m. Only one peak will be produced when traversing the pipe.

N.B. When locating the sonde the operator should ensure that the receiver is aligned with the sonde (see diagram). This is at a right angle to the normal orientation when searching using a re-radiated signal.

Signal Strength Along Pipe



5. To Switch Off

To switch off unscrew the end cap. The battery can be temporarily stored in the sonde for one or two days by inserting it with the raised pip facing outwards. The sonde is inoperative in this state. Remove the battery if the sonde is to be stored or unused for a prolonged period. To prevent interference always ensure the sonde is switched off when not required.

6. Battery Check

No battery check is provided. Correct application of the sonde should be checked with a Cable Avoidance Tool.

Specification:

Size:	38mm diameter, 120mm long
Battery life:	50hrs typical
Battery type:	AA, LR6, MN1500, Alkaline
Operational depth:	5m maximum
Rod fitting:	M10 male thread
Frequency:	32768Hz