R-3000 PRO LCD features

- Depth/Microphone
- Battery Indicator
- Signal Indicator
- Sensitivity Control
- Depth Switch

Operation of Power, Radio and Avoidance Scan

- Regularly check your AT-3000 PRO, in all modes, over a usable level.
- Rotate the Sensitivity Control fully clockwise for maximum sensitivity but reduce if there is a blanket signal across the site.
- Define the area to be excavated and carry out a grid pattern sweep as described in Avoidance Scan.
- The presence of a buried metallic pipe or cable will be indicated by a tone emitted from the R-3000 PRO vertical and moving the unit slowly forward and backwards over the cable or pipe, reducing the sensitivity for a narrower response.
- Trace the conductor out of the area, marking the position of the buried conductor.
- Always DISSAGREE with the information obtained.

Functional Test

- • Use Amprobe 3000 PRO or pulsed operation, switch on and place on the ground.
- • Observe for the correct bleep.
- • Place the 3000 PRO flat on the ground and pointing toward the G-3000 PRO.

User Guide

The AT-3000 PRO uses an external device to detect the presence of conductors. The AT-3000 PRO must be held at right angles to the conductor. This can cause the sensitivity of the G-3000 PRO to reduced response. Turn the Function Switch to A (Avoidance mode) when using the AT-3000 PRO.

• Set the G-3000 PRO to pulse operation.
• Set the G-3000 PRO to a usable level.
• Rotate the Sensitivity Control fully clockwise until the signal is reduced.
• Squeeze the trigger and listen for a bleep indicating the batteries are OK. Replace both batteries if there is no bleep or if the battery icon is flashing.
• Press and hold to use R-3000 PRO in avoidance mode.

With the sensitivity switched on and set to maximum calibration, observe that the audio response is the same for every battery combination.

Avoidance Scan

To detect the presence of conductors, the G-3000 PRO must be held at right angles to the conductor. This can cause the sensitivity of the G-3000 PRO to reduced response.

Using Avoidance Scan

- Squeeze trigger and listen for bleep indicating the batteries are OK. Press the button to detect both batteries if there is no bleep or if the battery icon is flashing.
- Turn Function Switch to A (Avoidance mode) when using the AT-3000 PRO.
- Scan the area to be excavated with a steady and deliberate sweep. Follow the line of the buried conductor keeping the R-3000 PRO vertical and moving the unit slowly forward and backwards over the cable or pipe, reducing the sensitivity for a narrower response.

Proportional continuity
- R-3000 PRO LCD features

- Depth/Microphone
- Battery Indicator
- Signal Indicator
- Sensitivity Control
- Depth Switch

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- • Press and hold to use R-3000 PRO in avoidance mode.
Using radio mode
Set the function switch to radio. Follow the same procedure as outlined in ‘Using the power mode’.

WARNING
Increased risk of property damage, death, or serious injury may result if buried utilities, pipes, and cables are not properly located before digging.

Make sure to read and follow all instructions and warnings in the owner’s guide when using the AT-3000 PRO.

Locating with the AT-3000 PRO
Locate any buried conductor with the AT-3000 PRO. This signal set is appropriate for searching through the R-3000 PRO and Genny™.

Direct connection
Direct connection is an efficient form of signal application and is suitable for connection to a valve, manhole cover, or access point.

WARNING
Contact with a power cable sheath should only be undertaken by qualified personnel.

Method
Set the G-3000 PRO to Genny mode and, whilst holding the R-3000 PRO approximately 1m/yd into the duct or drain, check that the signal is being received.

Using the optional signal clamp
The Signal clamp replaces a Genny signal with a pulse or box up to 76mm (3 inches) diameter, without interrupting the supply.

Insert the Mouse approximately 1/4m ( 1/2 inches) into the duct or cable and adjust the R-3000 PRO sensitivity to receive the signal.

Method
Locate the main Mouse signal as previously described. Hold the R-3000 PRO vertically about the centre of the Mouse. Press and hold the depth button until 50% appears on the display and then release to display the approximate depth. Note: If the G-3000 PRO mode is to be used with a 10200 transmitter, it is essential to use a contrast switch to locate it.

Method
Locate the null signal as described previously. If using the G-3000 PRO in null mode, an earth connection is not necessary. However, a change in tone as the jaws are closed will occur. If using the G-3000 PRO set to pulse mode but a slight reduction in signal strength is apparent, do not use the R-3000 PRO depth measurement to indicate depth. Note: It is advisable to trial the null signal with the R-3000 PRO depth measurement to indicate depth approximately 1.5m (5 feet) when raising a bleep. If there is an indication of depth by continuing through the 10200 transmitter, it is advisable to raise the depth indication to the nearest 10200 transmitter and adjust the sensitivity accordingly.

Error messages
Indicates conductor out of range.

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