

ACCU-STIC512 Locator Manual

from MyTana Mfg. Co. Inc.



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ACCU-STIC512 Locator

The ACCU-STIC512 Locator is designed to locate the source of a 512 Hz signal. This 512 Hz frequency has been widely adopted as the standard for locating in the sewer industry. This unit is designed to work with the transmitters that are offered by MyTana. The ACCU-STIC512 will locate 512 Hz transmitters from other companies. However, these instructions and the depth calibration for the locator are based on the MyTana transmitters and may vary somewhat when using other transmitters.

Locate by sound and push button depth

The ACCU-STIC512 Locator signals strength uses an audio signal that varies with the signal strength. As the operator gets closer, the audio signal gets louder. The **Gain** knob should be turned down as the operator gets closer to the transmitter. Keep turning the **Gain** down until the locator produces sound only when directly above the transmitter. Once the transmitter is located, push the depth button and read transmitter depth in feet on the display.

Not familiar with locating? Practice locating the transmitter “above ground”. Carefully observe how the locator signal reacts when the locator is moved, or turned.

A. STARTUP

1. Start with the Transmitter.

MyTana’s camera head contains a 512 Hz transmitter. MyTana also offers a choice of battery powered Sonde transmitters (512 Hz). Sondes can be attached to a sewer cable or fish tape and sent down a sewer pipe. Determine what transmitter you will be using and make sure it is working properly.

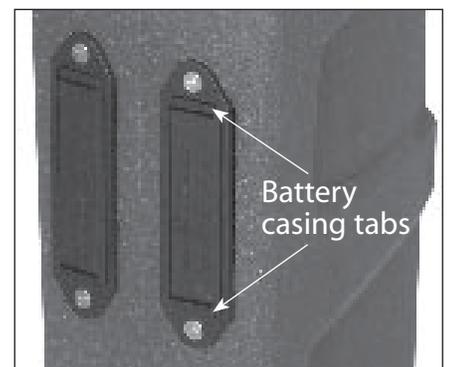


Camera head



Battery powered Sonde

2. Familiarize yourself with the ACCU-STIC512 Locator



Battery casing tabs

3. Position camera head/transmitter at point in sewer or drain pipe for locating and turn transmitter on. Estimate how far the transmitter is in the pipe, and determine the most likely direction for the pipe.

NOTE: When moving the camera or sonde inside the pipe pull back on push-cable a little bit before starting transmission to ensure that the camera (or sonde) is laying flat in pipe and not at an angle.

B. LOCATE

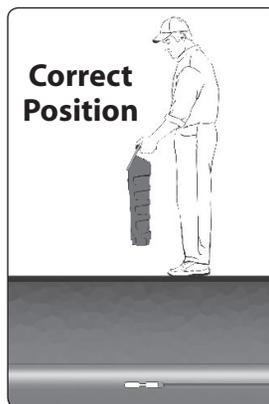
1. Power up ACCU-STIC512. Battery Check should read 8.0 volts or more (if it reads less than 8.0 volts, replace batteries). Locator should be in Peak mode (default). Plug in headphones if desired. Hold ACCU-STIC512 in dominate hand and use thumb to engage the Gain knob. Move in the suspected direction of the transmitter.

2. As you get closer to the transmitter, keep turning the **Gain** down. As mentioned above, the ACCU-STIC512 will emit louder pitch as it reads a stronger signal from the transmitter – as the operator gets closer to the transmitter. Turn down the **Gain** so that movement in any direction presents a change in volume.

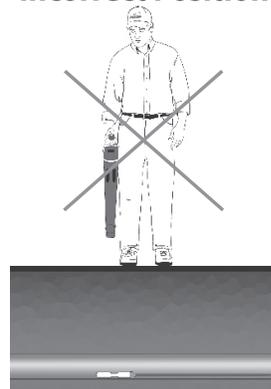
NOTE: Anything with a strong magnetic field (running Automobiles, Electric generators, or Transformers) can interfere with the ACCU-STIC512 and cause it to produce sporadic sounds.

3. Orientation **VERY IMPORTANT!!**

The nose of the locator must be parallel with the suspected pipe layout underground. Once the transmitter's location has been found, continue to refine by changing the orientation of the locator.



Incorrect Position



C. Depth

1. Know what material the pipe is made of. The ACCU-STIC512 reads Non-iron pipes such as clay or PVC best, but iron pipes partially block the transmit signal. This means the footage displayed on the LCD screen will read up to 40% deeper than actual depth when locating in iron pipes.

2. Put the nose of the locator on the ground directly over the transmitter. Push the red "depth" button once and give the unit several seconds to calibrate depth. The depth will show up measured in feet on the LCD screen. Once depth is established, push the Depth button once more to return to the locate functions.

REMEMBER TO MARK THE LOCATION ONCE YOU HAVE ESTABLISHED IT

BE SURE TO TURN THE ACCU-STIC512 OFF BEFORE returning it to the carrying case.



Transmitter off

NOTE: When you flip the Transmit switch on, you will lose the picture on the monitor screen. Transmission is indicated by a white snow pattern dancing across the monitor (Older monitor) or a blue screen with a white "transmitting" message (Newer monitors).



Transmitter on

Trouble Shooting:

Problem: Unit won't power up properly and a 1 shows up on the upper left corner of the LCD screen.

Solution: This indicates that one of the battery casings are either dead or is simply not snapped all the way into the contact points of the battery pack. Test batteries or simply make sure that they are snapped into place properly.

Problem: The unit won't turn off.

Solution: Unplug battery pack from unit. This sometimes occurs when unit is being used in very wet conditions. In this event leave battery pack unplugged and place unit in a warm dry place out of its storage case for several hours.

Proper care to ensure a long life of your ACCU-STIC512 Locator

- Keep unit dry and clean
- Transport in the padded storage case to reduce the effects of vibration and bumps in road travel
- Handle unit gently. While the ACCU-STIC512 is designed to withstand the accidental bump or drop, this is a carefully "tuned" unit that is calibrated to precision. Bumps and careless handling can eventually cause malfunction and require repair or recalibration.
- Keep the Quick Reference guide with the unit at all times. This guide is very useful when the operator is unsure of procedures, especially if the unit is not used every day.

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