

# LPS-1 Handheld Sonar Instructions

## Unit Operation

Hold the unit in your hand as you would a flashlight and simply slide the switch forward. By doing this, the night light for the digital display will come on and three horizontal bars will appear in the display. This means the unit is on and searching for a reading.



Place the transducer end of the unit in the water, make sure you are pointing straight towards your target. For example, straight down towards the bottom. The LPS-1 will continue to monitor the depth as long as the switch is held in the forward position. When the switch is released the depth reading will stay locked

on the display, for about 10 seconds, then it will automatically shut itself off. Remember to release the switch before you lift the unit up to be read.

Failure to hold the transducer end of the LPS-1 straight or perpendicular to the target will result in distance or depth reading slightly longer or deeper than it really is. Also, taking readings in or over weeds or schools of fish can result in incorrect or erratic readings.

## Installing the Battery

The Model LPS-1 requires one 9 Volt Alkaline transistor battery. It goes in the end cap that is next to where the strap is attached to the body assembly. To install a battery this end cap must be unthreaded and removed. Slide the battery into the body cavity then attach the battery snap to the battery. It will only fit one way, so if it doesn't fit on easy you may have to reverse the battery. Replace the cap and screw it down into the unit. Tighten firmly, making sure the O-ring is not out of place. If the battery becomes weak, the displays backlight will begin to flash.

The end cap which is closest to the Digital Read out is the transducer end. This end of the LPS-1 doesn't ever need to be taken off, however occasionally it should be tested for tightness, to make certain that it is waterproof.

## Applications

**Portable Uses** - Turn unit on and touch the transducer end into water, perpendicular to the bottom. Hold the switch forward until the unit locks onto a reading. Release the switch and then raise the unit to read the depth. If additional readings are desired - repeat procedure.

**Scuba Diving** - For your safety make certain that the LPS-1 is operating correctly by testing in shallow water. For deeper diving tighten snugly each end cap against its rubber seal. Watch the rubber seals to make certain there are no bubbles escaping around the seals. If a small stream of bubbles appear, tighten that particular end cap more or until the stream of bubbles quit.

**Ice Fishing** - The LPS-1 will read through ice as long as it is fairly clear and free from air bubbles, white ice. Clear away the snow and look for clear hard ice then set the transducer end of the LPS-1 onto the ice. Push the switch forward and, using some water, pour a small amount directly onto the area where the LPS-1 contacts the ice. Hold the switch forward until the unit locks onto a reading. If the conditions are not right you may need to use more water and several readings should be taken to verify the proper depth. Note- Cold is very hard on batteries. Make sure you keep the LPS-1 warm so when you need it, it will be ready.

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