

COIN MASTER #4 CM 4

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White's ELECTRONICS

1011 PLEASANT VALLEY ROAD SWEET HOME, OREGON

OPERATORS
INSTRUCTIONS



COINMASTER #4 OPERATING INSTRUCTIONS

To put the instrument into operation, proceed as follows:

1. Install the loop, spiral the excess loop cable around the rod and plug the loop plug into the socket.
2. Turn the Radio Tuner to #5.
3. Turn the Battery Check to the OFF position.
4. Turn the Power Switch to the ON position.
5. If a squeal or motor-boat sound is heard, then slowly turn the Zero Control knob in the direction that the tone lowers and slows, until the sound stops, and the intensity meter indicates Zero. This is the null position.
6. Very slowly turn the Zero Control knob to the RIGHT of Null until the buzz just starts and the meter indicates 50. If this control is turned too far to the right, you cannot make the next adjustment.
7. Very slowly turn the Radio Tuning control to the Right until the beat slows and the meter indicates between 10 and 20. This should be done with the instrument held with the 6" loop approximately 2" above the ground or beach sand to be checked. As soon as the loop is passed over the metal object, the motor-boating sound will increase and the meter indication will increase.

Lay a coin on the ground and notice the ease with which the instrument detects a small coin.

You will notice that frequently the instrument may stop or increase motor-boating for no apparent reason. This is caused by changes in temperature battery voltages, or moving the loop excessively higher or lower in relation to the ground that you have adjusted it for, and the extra high sensitivity of this instrument.

You can easily compensate for this by slowly turning the Radio Tuner to the RIGHT just slightly to slow the motor-boating, or to the LEFT to just start. When the instrument is adjusted as described above, it reacts to gold and silver coins, gold and silver bars, copper, rings, watches etc., but not to nails, spikes, bolts, etc., (but will detect tin cans and bottle caps, as they are conductors.)

The loudest sound and the highest meter indication will be when the loop is directly over the center of the object. As soon as the loop passes the object, the sound will lower and the meter indicator will decrease.

You may test for nails, bolts, etc., in woodwork or in the ground by slowly turning the zero control to the LEFT of null, until the motor-boating just starts and the intensity meter indicates 50. (If this control is turned too far to the LEFT, you cannot make the next adjustment.)

Very slowly turn the Radio Tuning Control to the LEFT until the beat slows and the intensity meter indicates between 10 and 20. In this position whenever the loop is passed over nails, bolts, etc., the sound will increase and as soon as the loop is passed over coins, gold, copper and silver objects, the sound will decrease or stop, depending on the quantity or the size.

The small white control knob on the lower left is the Volume Control for the speaker. Turning this to the Right increases the volume and to the left decreases it.

To test the battery, the power switch must first be turned on. Then turn the Battery Check switch to the ON position (be sure to return it to the OFF position after checking the batteries.) A fresh battery reads between 25 and 35. Replace the battery when the voltage drops to 20 on the indicating meter. To replace the battery, remove the red headed screws from the rear of the instrument, the batteries may then be removed.

When through operating the instrument, turn the zero control to null where no sound is heard, the radio tuner to 5, and be sure to turn the power switch OFF.

Do not submerge the loop in water unless it is a water-proof model.

If ever in need of service, ship the instrument by insured parcel post, freight or stage, prepaid and a letter advising the nature of your trouble.

Any of the following batteries may be used for replacement: Marathon #1605, Eveready #246. Fresh pretested batteries are available from our laboratory here at \$1.85 each, (price subject to adjustment with cost changes), prepaid to you.

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