

FOILMASTER

FENCING AID

Thank you for purchasing the FoilMaster fencing aid. The FoilMaster gives you the freedom to fence where and when you want to. FoilMaster is designed to replace conventional reel systems for practising and its operation is different from these reel systems. Therefore please take time to read these instructions.

Before using the FoilMaster it will be necessary to fit a standard 9 volt alkaline or zinc chloride battery (do not use rechargeable batteries). Remove the battery compartment cover located at the bottom of the back of the FoilMaster. Slide the battery into the compartment being careful to note the + and - markings on the inside of the compartment.

Connections between the FoilMaster and the foil is via a conventional body wire. The 3 pin connector fits in the left hand side of the FoilMaster.

Turn the FoilMaster on by means of the switch on the top of the unit (the side marked '1' should be down).

Assuming that your fencing partner is similarly equipped and set up you are ready to fight. When a hit is registered the sounder in the FoilMaster of the fencer who achieved the hit will buzz and one of the lights will flash. A *single long buzz* and a *rapidly flashing green light* indicates an *off target* hit while a *series of buzzes* and a *more slowly flashing red light* indicates an *on target* hit.

Timings

The FoilMaster will not only distinguish between on target and off target hits, it will also indicate the first to hit. Once an on target hit has been achieved the opposing FoilMaster has 750mS (3/4 second) to register a hit before it is locked out. Any hits by the opposing FoilMaster after this period will be registered as off target. This lock out will continue until the FoilMaster stops indicating the on target hit (i.e. the red indicator stops flashing).

An off target hit will not lock out the opposing FoilMaster. However the FoilMaster registering the off target hit will be unable to register an on target hit until its indication period expires (i.e. the green indicator stops flashing).

A few points to note:

The battery should last for approximately 25 hours of normal use. This can only be an approximation because the battery life will depend to a great extent on how the FoilMaster is used (number of hits, time between hits etc.) and the type of battery used.

It is a good idea to remove the body wire from the FoilMaster after use. If the unit is left on the sounder will buzz giving you a warning.

If the FoilMaster is not going to be used for some time, remove the battery as this will prevent the terminals corroding.

If the FoilMaster gives an off target indication when the foil and body wire is connected but there is obviously no hit, the most likely problem will be a bad connection on either the body wire or the foil.

If the FoilMaster indicates an off target hit when there is obviously a hit on the opponents lamé the most likely problem will be a bad connection between the opponents FoilMaster and their lame.

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