

# OPERATION AND MAINTENANCE HANDBOOK

## Tongs

**R 101/P – T 202/A – T 202/P**



# EC Declaration of conformity

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HEREBY DECLARES, UNDER ITS OWN LIABILITY. THAT THE FOLLOWING EQUIPMENT

Model: R101 / T202

BATCH SERIAL NUMBER: \_\_\_\_\_

YEAR OF MANUFACTURE: 2004

DESCRIBED HEREIN: **Rapid animal handling equipment**

COMPLIES with the following DIRECTIVES:

EEC/93/68 LOW VOLTAGE DIRECTIVE

89/336 EEC/89/336 EMC DIRECTIVE

Since it COMPLIES, where applicable, with the following TECHNICAL STANDARDS:

<p><b>EN 60335-1</b> <u>Electrical equipment for household use or similar</u> <b>EN 60335-2 -87</b> special regulations for electrical equipment used to stun animals</p>
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# Rapid animal handling equipment

## OPERATION AND MAINTENANCE INSTRUCTIONS

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“ R 101/P – T 202/A – T202/P ” equipment is the most rationally designed, efficient and practical available for the rapid handling of large animals.

Its main features are:

- ◇ up-to-date design and manufacturing technology
- ◇ maximum efficiency, safety and practicality
- ◇ guaranteed safety and compliance with IEC standards for the manufacture of each component
- ◇ maximum safety for the operator
- ◇

### INTRODUCTION

Even the best equipment can only work well and profitably if used properly and maintained in perfect working order. Please read this handbook carefully and consult it whenever any problems arise in the use of the equipment.

THE ANIMAL HANDLING DEVICE PRODUCES HIGH VOLTAGE (ABOVE ONE THOUSAND VOLTS) BETWEEN THE ELECTRODES

### TAKING DELIVERY

When taking delivery of the equipment, make sure it was not damaged during transportation and report any damage to the courier or the dealer, if purchased directly from a dealer.

## THE DEVICE AND ITS CONTROLS

The device may be rectangular or cylindrical, and is battery powered. Sturdy, easy to use, safe, effective and handy, it comprises state-of-the-art technology for insulation and to protect the device against banging and bumping. The special buzz and electrical discharge are effective even at distance.

To activate the device, press the single pushbutton on the side.

#### 1-SAFETY BUTTON

A discharge is produced only when the safety pushbutton is held down.

#### 2-CASE

The case is made of plastic, which does not conduct electricity. It is a few millimetres thick and made of materials with a dielectric rigidity of > 20.000 V per mm, able to insulate the voltage discharge even in the area of the electrodes.

#### 3-SUPPLY VOLTAGE

For the R101/P model 3 LR6 type batteries are used, for the T202/A-P 3 LR14 type batteries, so there is no danger from the voltage supply.

#### 4-OUTPUT VOLTAGE

The output voltage depends on a number of factors including the atmosphere and battery charge (see the tables below). For reasons of caution, when designing the insulation of the casing, the peak value was taken as 2500 V. Although this value was

chosen because it is insufficient to produce irreversible injury, the device should only be used by expert animal handlers.

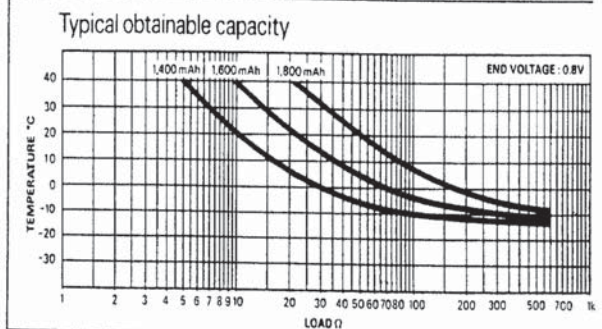
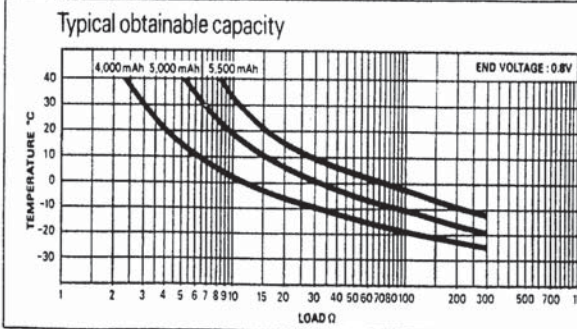
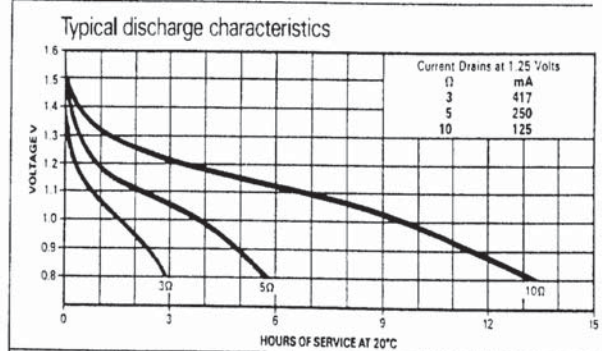
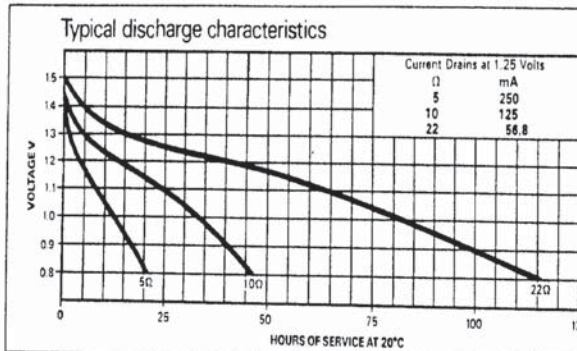
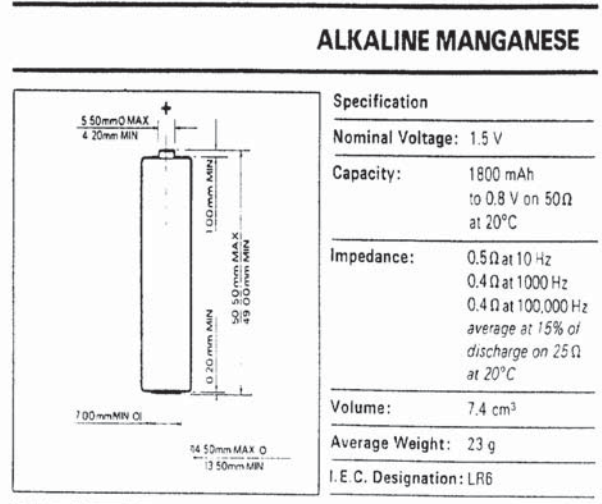
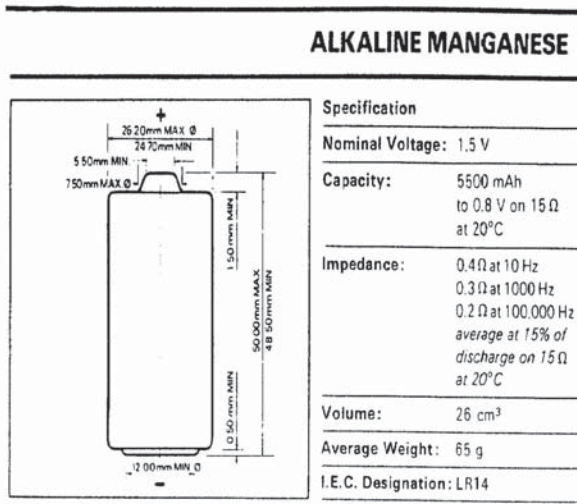
### 5-ELECTRODES

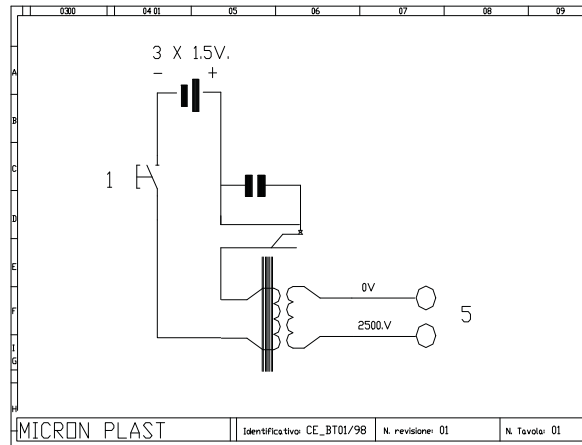
These are the tips of the tongs which should be placed against the animals to produce the stun effect. The distance between the tips is such as to prevent sparks flying between the electrodes. The device should not be used in a humid atmosphere, where there is the risk of a fire or in the presence of potentially explosive gases.

## BATTERY TABLES

T202/A-P

R101/P





## OPERATING REGULATIONS

- ◇ Untrained handlers must not use the device.
- ◇ The device must not be used in environments where there is a risk of fire and/or explosions (e.g. a gas leak).
- ◇ People with pacemakers or similar devices must not use the equipment.
- ◇ Do not put the device into the pockets of overalls.
- ◇ Use the device only when necessary and for the minimum time required (max 1 second)
- ◇ The device should be used by an expert strictly for professional purposes.

## CHECKING FUNCTIONING

With the device in hand, the handler presses the pushbutton with his/her thumb to activate the equipment ( for model "T 202/A" it is enough to press the electrodes against the animal to activate the device).

When in operation, the device buzzes.

## MAINTENANCE REGULATIONS

- ◇ Carry out routine checks of the insulation of the outer wires. Clean away any deposits of materials using a metal brush or sand paper (do not use liquid detergents or solvents, which may cause explosions).
- ◇ Replace only with high energy batteries.

- ◇ When replacing batteries, for the “R 101/P” model, remove the lid from the part opposite the electrodes and the **3 mod. LR6** batteries can then be removed. For “T 202/A-P” models, remove the knurled lid and the **3 mod. LR14** batteries can then be removed.

## TROUBLESHOOTING

In the event of a malfunction, make sure:

- ◇ the batteries are working properly and do not leak acid
- ◇ the equipment is not dirty
- ◇ the contact points of the batteries are clean and free of the build-up of any materials or deposits from previous batteries.
- ◇

## DANGERS

- ◇ Danger of electrocution through contact with the electrodes. Handlers should use the equipment properly and refrain from improper or irresponsible behaviour.
- ◇ Danger of fire or explosion: the device produces high voltage between two electrodes and should therefore not be used in potentially explosive atmospheres (i.e. where there may be a gas leak).
- ◇ Danger from electromagnetic radiation. To date, no electromagnetic conditions have ever negatively impacted on the use of the device. The equipment may interfere with radio and/or medical devices. Therefore the use of the equipment by handlers with pacemakers or similar devices is **strictly forbidden**.
- ◇ For the good of the animal, use only when necessary and for the minimum time necessary (max 1 sec)