

ZooDENS

Operating Manual Part 1. Technical certificate

RC ART 00.4-03.7-01RE
TU 9444-001- 44148620-2005

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Part 1. Technical certificate

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This Operating Manual describes the transcutaneous analgetic portable electrical DENAS-ZooDENS stimulator for work on biologically active zones (BAZ) and biologically active points (BAP) with built-in and trailing electrodes. The Operating Manual includes Technical Certificate and Instruction Manual.

PART 1. TECHNICAL CERTIFICATE

1. DESIGNATION

Denas-ZooDENS Device (hereafter — Device) is designed for reflex therapeutic use on a zone of frontal projection of injury or trauma, as well as on zones of frontal projection of affected internal organs, on segmental, reflexogenic zones and acupuncture points of animals.

The Device is recommended to be used in a monotherapeutic treatment, as well as in combination with drug therapy for pets and exotic animals to increase efficiency of current therapy and to reduce the length of treatment.

The Device is designed for application by vets, breeders and owners of pets and exotic animals under special purpose conditions (veterinary clinics, farms, nurseries etc.) or under field and home conditions.

2. TECHNICAL FEATURES

2.1. Power supply:

A single battery (without accumulators) of 1,5 B LR6/AA, B type.....1,5±0,2

2.4. Time of continuous running (with a new power supply, p. 2.1),

hours, not less than.....4

2.5. Weight of the Device, kg, not more than.....0,3

2.6. Overall dimensions of the Device (Fig.1,2), mm,

no more than 195x65x45

2.7. Overall dimensions of built-in electrodes

(three electrodes are available), mm, not more than.....7x50

2.8. The Device will be automatically shut down not later than than 10 minutes after the last pressing one of the buttons (besides “Off” button) or after the last placing electrodes on skin surface of a patient.

2.9. Operating conditions:

Ambient temperature, °C.....from 0 to +35

Relative air humidity, with 25°C, %, not more than.....80

If the Device is stored at ambient temperature lower than 0oC, keep it in normal climatic conditions during at least two hours before using.



— product of BF type

Attention! The product contains fragile elements. Must be protected from impacts.


3. DELIVERY KIT

3.1. Variant of delivery kitting-up of Denas-ZooDENS Device must correspond to Table 1.

Table 1

Name	Marking	Quantity
Transcutaneous analgetic portable electrical “DENAS-ZooDENS” stimulator for an effect on BAZ and BAP with built-in and trailing electrodes	RC ART 00.4-00.0 SB	1
Operating Manual with Certificate and Application Sheet	RC ART 00.4-03.7 RE	1
Case	-	1
Consumer package	-	1

4. SAFETY REGULATIONS

 Study attentively all information contained in this Operating Manual, which includes important details for your safety, as well as recommendations for proper use of the Device and its maintenance.

4.1. The Device is not dangerous for animals and users (vets, owners of pets etc.) due to application of an internal low voltage current source.

4.2. The Device is not to be used for animals with individual intolerance to electric current.

4.3. During the stimulation you should not connect you animal to any high-frequency electric apparatus.

4.4. Warning upon potentially dangerous factors:

— using the Device simultaneously with other electric equipment may result in burns and probable damage to the Device;

— working in the vicinity (at a distance of approximately 1 meter) of short-wave therapeutic equipment may result in instability of output parameters of the Device.

5. STRUCTURE OF THE DEVICE

Figure 1. DENAS-ZooDENS Device (face side)

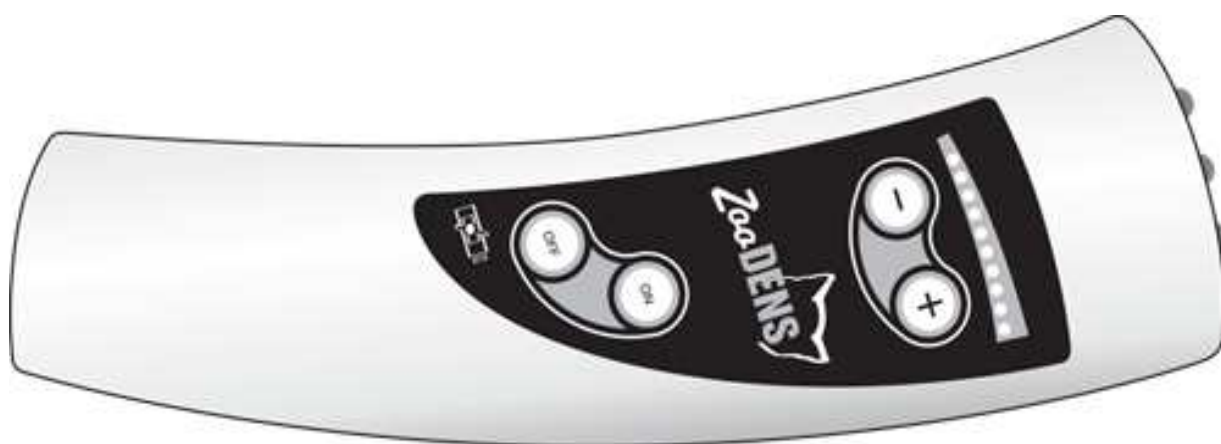
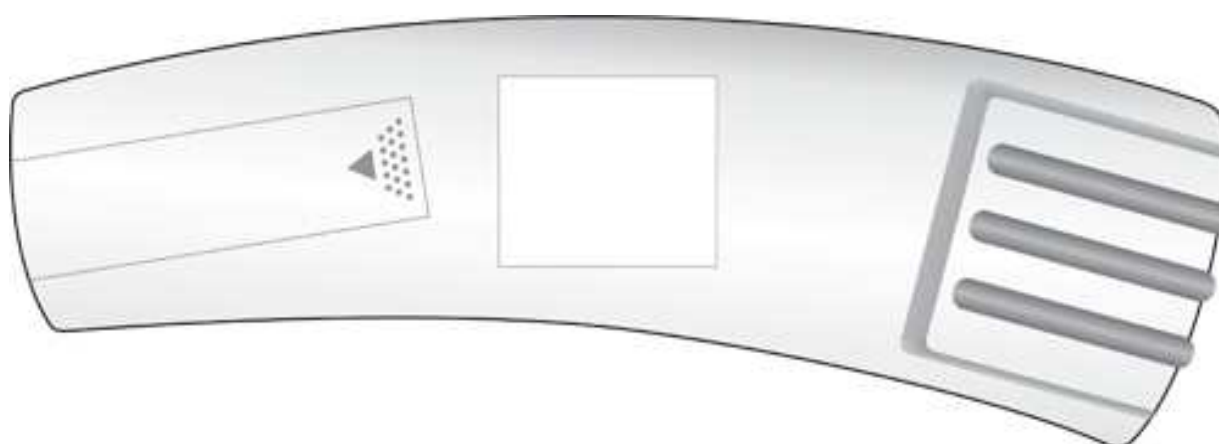


Figure 1. DENAS-ZooDENS Device (back side)



6. MAINTENANCE

6.1. Everyday maintenance must include the following procedures:

- visual examination of the Device;
- disinfection (for cleaning the electrodes use standard disinfection means and soft tissues free of fluff);
- checking Device's functioning according to indications given in Part 2 — Application Sheet, Section "Structure and functioning of the Device".

6.2. If the Device will not be used for a long time, it is necessary to extract the power supply from battery compartment (Fig. 2).

7. POSSIBLE MALFUNCTIONS AND WAYS OF TROUBLESHOOTING

7. Possible malfunctions and ways of troubleshooting are given in Table 2

Table 2

Malfunction	Possible cause	Way of troubleshooting
Without a contact with skin the Device produces rhythmic beeps	Soiling of electrodes	See section 6.1
The Device shuts down spontaneously	No contact with animal's skin	See section 14.2
LED controlling the work of power supply glows or blinks	Battery voltage is less than 1.2 V	Replace the battery

Attention! All other malfunctions are eliminated by the manufacturer or at the manufacturer's service centers.

8. STORAGE AND SHIPPING

Shipping requirements:

Temperature: from -50°C to $+50^{\circ}\text{C}$, relative humidity: up to 93% with temperature $+25^{\circ}\text{C}$

Storage requirements:

Temperature: from -50°C to $+40^{\circ}\text{C}$, relative humidity: up to 93% with temperature $+25^{\circ}\text{C}$

9. UTILIZATION



All package materials do not affect surroundings, they may be reused.



Separate collecting of electric and electronic equipment.

The old device should not be considered to be useless garbage! It contains valuable materials which may be recycled with utilization carried out according to the environmental safety requirements. Deliver them to specially designed stations (consult with respective services in your region) for their keeping and recycling.

10. MANUFACTURER'S WARRANTY

10.1 Manufacturer guarantees the device's compliance with technical conditions TU 9444-001-44148620-2005 requirements if operational, shipping and storage requirements are met.

10.2. Product's working life is 5 years.

If following the operational regulations, a working life may significantly exceed the officially established one.

10.3. Warranty period of the product service is 24 months from the date of sale.

10.4. If defects are detected during a warranty period the seller (manufacturer) commits himself to satisfy user's claims provided in the Law "On Protection of Consumer Rights". A seller (manufacturer) or an organization substituting a seller (manufacturer), on the grounds of agreement, is not responsible for defects if they occur after the delivery of the product to user as a result of:

- 1) infringement of shipping, storage, treatment and operational rules indicated in this Manual, on the part of user;
- 2) mechanical damages;
- 3) interference by a third party;
- 4) insuperable force-major circumstances.

10.5. Warranty does not cover products with damaged manufacturer's seal.

10.6. In case of product breakdown or malfunction as well as its kit shortage during a warranty period, the owner of the device must apply for repair (or replacement), the application must indicate surname, first name, middle name, address, telephone number, brief description of malfunction, date and circumstances of its disclosure.

The address of the manufacturer:

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