4th generation of device

DENAS® PCM 2014

Operating Manual
Part II. Usage Instruction

TPTK 04.3-03.70 РЭ
TU 9444-009-44148620-2009

The company quality management system is in compliance with ISO 9001 and ISO 13485

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1. SAFETY REGULATIONS

Information, contained in present operations manual, is important for your safety and proper use and maintenance of the device.

The device is safe for use, because it utilizes internal power source of low voltage, which is isolated from work part of the device (article of type B with body of type F).

The device must not be used for treatment of patients with implanted electronic devices (for example, pacemakers) and for treatment of patients who have individual electric current intolerance.

Use of the device in direct front projection of heart is prohibited.
8 CARRYING OUT TREATMENT PROCEDURES

1. General information
Application of specific electric impulse on reflex zones and points for prevention, treatment and functional recovery is an effective method of therapy. Application of transcutaneous dynamic electroneurostimulation promotes positive dynamic of many acute and chronic diseases in a complex treatment and as a monotherapy. It allows to accelerate the healing process, reduces the requirement in pharmacological medicine and help to restore health quickly. The clinic effectiveness of transcutaneous dynamic electroneurostimulation is proven for treatment of diseases of cardiovascular and musculoskeletal systems, injuries, gynecological and urological diseases. Also it is effective in treatment of patients with surgical, ophthalmological, bronchopulmonary and digestive system diseases. There is accumulated experience in effective application of Denas method in treat-
4.1.3. Labile-stable method

The device’s inbuilt electrodes (as well as external applicators) can be held longer in some areas, for example, in some painful areas.

4.2. Duration of impact
In cases of emergency (for example, pain relief) it is recommended to apply the device until the patient’s complaints disappeared or decreased significantly.

When the patient’s condition is stable, the average duration of one treatment procedure is:

— for children of the first year of life — 5-10 minutes;
— for children of 1-3 years — 10-15 minutes;
— for children of 3-5 years — 15-20 minutes;
Attention! For patients with hypertension, hypotension, a syndrome of vegetative-vascular dystonia, as well as patients who have frequent headaches, dizziness, treatment should be carried out with minimal power level.

4.4. Modes of stimulation
The main menu contains the following modes for therapy, diagnostics and prevention: «Frequencies», «Programs», «Screening», «MED».

4.4.1. Frequencies

Using the menu

With the help of navigation buttons ▲ and ▼ select in main menu item «Frequencies» and confirm your choice by pressing the button oublespace.
<table>
<thead>
<tr>
<th>Mode</th>
<th>Frequency</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>60 and 77</td>
<td>Frequencies 60 and 77 Hz are universal, widely applied with symptomatic local complaints for correction disorders of internal organs. Recommended for pain relief, improvement of local and regional blood flow, for the treatment of inflammatory processes and so on in acute period and period of rehabilitation.</td>
<td></td>
</tr>
<tr>
<td>140</td>
<td>Frequency 140 Hz is recommended for the treatment of diseases of the musculoskeletal system and neuralgia accompanied by pain syndrome.</td>
<td></td>
</tr>
<tr>
<td>200</td>
<td>Frequency 200 Hz is recommended for fast pain relief with lesions of the musculoskeletal system, disease, trauma.</td>
<td></td>
</tr>
<tr>
<td>7710</td>
<td>Mode “7710” is recommended for people with symptoms of hypertension, a syndrome of vegetative dystonia of hypertensive type, people with sleep disorders.</td>
<td></td>
</tr>
<tr>
<td>77AM</td>
<td>Mode “77AM” is recommended for use when there are signs of hypotonic or atonic state of internal organs.</td>
<td></td>
</tr>
</tbody>
</table>
Basic user program settings
(modes, frequencies and duration of stimulation are setting up automatically)

<table>
<thead>
<tr>
<th>Name of program*</th>
<th>Zones for stimulation</th>
<th>Duration of stimulation</th>
<th>Modes, frequencies, Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALLERGY</td>
<td>Epigastric zone of stomach</td>
<td>10</td>
<td>7710; 3,8</td>
</tr>
<tr>
<td></td>
<td>Zone of the 7th cervical vertebra</td>
<td>15</td>
<td>77; 1,7; 3,8</td>
</tr>
<tr>
<td>PAIN</td>
<td>Painful zone</td>
<td>15</td>
<td>Special modulated mode</td>
</tr>
<tr>
<td>SEVERE PAIN</td>
<td>Painful zone</td>
<td>15</td>
<td>Special modulated mode</td>
</tr>
<tr>
<td>BLOATING</td>
<td>Front abdominal wall</td>
<td>10</td>
<td>7710</td>
</tr>
<tr>
<td>NEURO-CIRCULATORY DYSTONIA</td>
<td>Neck and collar zone</td>
<td>20</td>
<td>7710; 10; 2,5</td>
</tr>
</tbody>
</table>


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Alphabetical list of diseases

Acute respiratory diseases. ...................................................56, 68
Algomenorrhea ...........................................45, 98
Allergy ......................................................40, 106
Anxiety ...........................................56
Arterial hypertension ...........................................47, 122
Arterial hypotonia ...........................................48, 124
Arthritis, arthrosis ...........................................41, 60, 86
Asthma ..................................................63, 72
Astigmatism .............................................130
Bloating ..................................................43, 78
Bronchial asthma ........................................63, 72
Bronchitis ..................................................70
Burn .........................................................92
Cataract ...................................................130
Cold, rhinitis ..................................................56
Cellulitis, obesity ..........................................110
Constipation ..................................................53
Coronary heart disease .........................................120
Cosmetology ................................................108, 110
Cough .........................................................54
Cystitis ......................................................58
Deafness, tinnitus ...........................................76
Dermatitis ...................................................53
Diabetic angiopathy ..........................................128
Diarrhea ....................................................51
Diskogenic radiculopathy ......................................42
Dislocations of joints ..........................................42
Eczema .....................................................106
Edema in legs .................................................126
Essential hypertension .........................................47, 122
Eyestrain .....................................................130
Face care ...................................................108
Fever .........................................................138
Fractures .....................................................62
Frontitis .....................................................56
Glaucoma ...................................................130
Headache ..................................................41, 49, 142
Pain in neck — cervical spine

- severe pain
- aching dull pain

Pain in back — lumbarsacral, thoracic spine

- severe pain
- aching dull pain

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Pain in the joints (arthritis, arthrosis)

1. The same zone on a healthy joint of the symmetrical extremity

- **10 Hz**
- **Duration**: 5-10 min, 1-2 times a day

**Note.** Duration of course — until recovery, but not less than 7 days.

2. Hand: the zone according to Su-Jok

- **77 Hz**
- **Duration**: 5 min, 1-2 times a day

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