**Portable dosimeter SOEKS112**

**Device functions and characteristics:**
- Measurement of radiation background (gamma radiation and beta particle flux)
- In the range from 0.01 to 999 μSv/h
- Measurement of accumulated dose up to 999 Sv (sievert)
- Dump of the accumulated dose
- Time of continuous work, not less, 170 hours
- Sound and visual indication of radiation detection (of particles) by a Geiger-Müller counter
- Sound and LED indication of the threshold exceeding of radiation background (the threshold is set in the settings)
- Indication of underexposure
- Setting the background radiation threshold
- Setting the time of automatic shutdown
- Enable/disable sound indicator
- Enable/disable the LED indicator

**Instrument interface**

1. **Indicator light** (indicates that the radiation background threshold is exceeded)
2. **Audible indicator** (indicates that the radiation background threshold has been exceeded and the counter has been registered for radioactive particles)
3. **Modes button**
4. **Display**
5. **On/off button**

**Turn on the device**

To turn on the device, it is necessary to press and hold the button until the segments fill

**Turn off the device**

To turn off the device, it is necessary to press and hold the power button until the inscription appears on the display «OFF»

**Accumulated dose display mode**

Accumulated dose display mode, the display shows its current value since the last reset or the last battery installation

**Mode switching**

The transition between the radiation background measurement modes and the accumulated dose is carried out by briefly pressing the mode button

**Settings mode**

To enter the settings mode, it is necessary to press and hold the mode button in the radiation background measurement mode

**Settings list**

<table>
<thead>
<tr>
<th>Setting</th>
<th>Value</th>
<th>Auto off time, minutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-1</td>
<td>0-12</td>
<td>1 3 5 10 60 120</td>
</tr>
<tr>
<td>H-2</td>
<td>0-24</td>
<td>0.2 0.4 0.6 0.8 1.0 1.2 1.5</td>
</tr>
<tr>
<td>H-3</td>
<td>0-25</td>
<td>2 5 10 50 100</td>
</tr>
<tr>
<td>H-4</td>
<td>0-25</td>
<td>2</td>
</tr>
</tbody>
</table>

**Dump of the accumulated dose**

To reset the accumulated dose, it is necessary to press and hold the mode button in the mode of its displaying (the segments will flash on the display as you continue to hold the button, the accumulated dose will reset)

**Transition between settings**

The transition between the settings is done with the mode button
13 Editing settings

To edit the setting, press and hold the mode selection button until the value of the edited parameter appears flashing frequently.

14 Low battery charge

When the battery level is low, an " לד " indicator appears on the display. Battery needs to be replaced.

15 Battery installation

16 Certificate of acceptance

PORTABLE DOSIMETER SOEKS 112

Manufacturer and adopted in accordance with the requirements of Technical conditions 44/2000/EC and is recognized as suitable for use.

Name of the TOL

Signature

Warranty card

PORTABLE DOSIMETER SOEKS 112

FILLS THE MANUFACTURER

SOEKS USA, LLC Miami, FL USA

email: support@soeks-usa.com

web: www.soeks-usa.com

FILLS THE TRADE ENTERPRISE

Date of sale

Signature

SOEKS 112 User Manual Rev. C 414527-0100P © SOEKS LLC, Moscow, 2019. All rights reserved.