

USER MANUAL  
NULS.414313.014RP

## PORTABLE DOSIMETER SOEKS 112



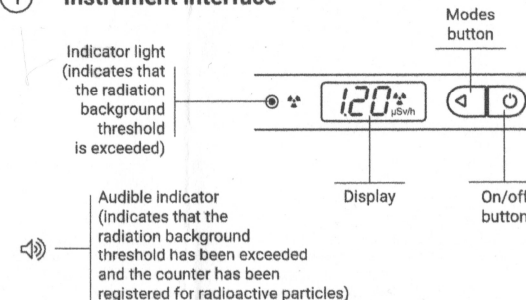
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### Portable dosimeter SOEKS112

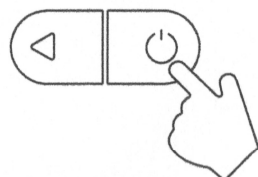
#### Device functions and characteristics:

- measurement of radiation background (gamma radiation and beta particle flux) in the range from 0.01 to 999  $\mu\text{Sv/h}$
- measurement of accumulated dose up to 999 Sv (sievert)
- dump of the accumulated dose
- time of continuous work, not less, 170 hours
- sound and led indication of radiation detection (of particles) by a Geiger-Muller counter
- sound and LED indication of the threshold exceeding of radiation background (the threshold is set in the settings)
- indication of undervoltage
- setting the background radiation threshold
- setting the time of automatic shutdown
- enable/disable sound indicator
- enable/disable the LED indicator

### 1 Instrument interface



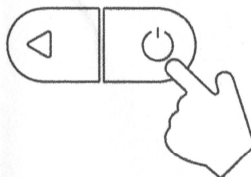
### 2 Turn on the device



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



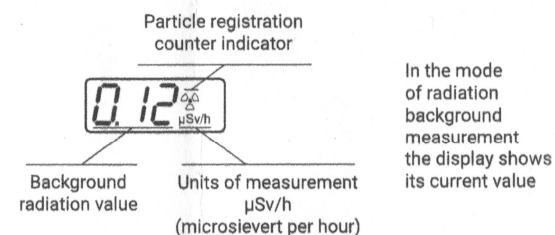
### 3 Turn off the device



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



### 4 Radiation background measurement mode



### 5 Accumulated dose display mode

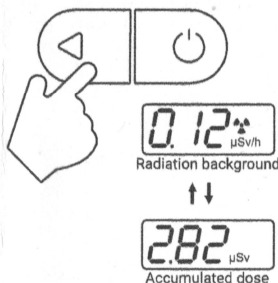


Accumulated dose value

Units of measurement depending on accumulation  $\mu\text{v}$  (microsievert)  $\mu$  (millievert) Sv (sievert)

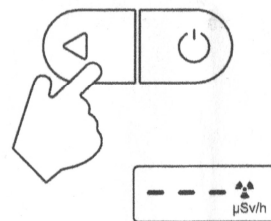
In the accumulated dose display mode, the display shows its current value since the last reset or the last battery installation

### 6 Mode switching



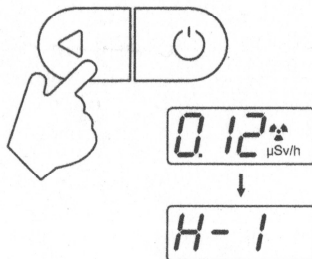
The transition between the radiation background measurement modes and the accumulated dose is carried out by briefly pressing the mode button

### 7 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)

### 8 Settings mode

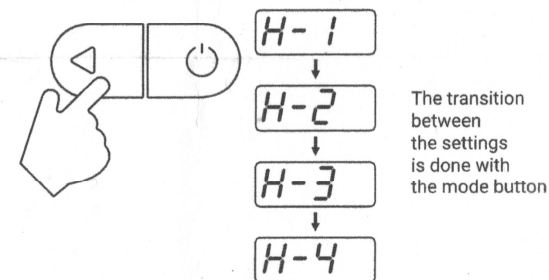


To enter the settings mode, it is necessary to press and hold the mode button in the radiation background measurement mode

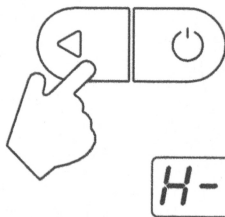
### 9 Settings list

H-1	Auto off time, minutes
Value:	0 1 3 5 10 60 120
H-2	Threshold exceeding of radiation background, $\mu\text{Sv/h}$
Value:	0 0.2 0.4 0.6 0.8 1.0 1.2 1.5 2 5 10 50 100
H-3	Sound indicator
Value:	0 - off 1 - on 2 - only the threshold exceeding of radiation background
H-4	Световой индикатор
Value:	0 - off 1 - on 2 - only the threshold exceeding of radiation background

### 10 Transition between settings

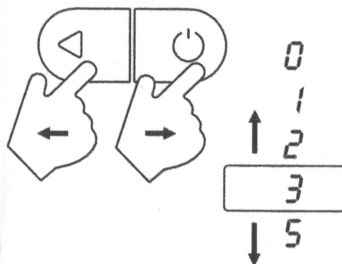


11 **Editing settings**



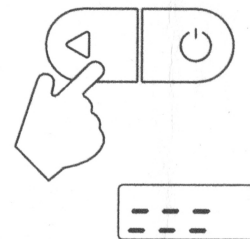
To edit the setting, press and hold the mode selection button until the value of the edited parameter appears flashing frequently

12 **Change setting values**



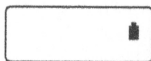
Change the setting values made by the control buttons to the right or left

13 **Save the settings**



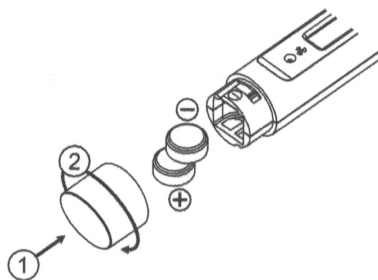
To save the setting value, it is necessary to press and hold the mode selection button. « --- » segments will flash on the display as you continue to hold the button, the set value of the edited parameter appears

14 **Low battery charge**



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

15 **Battery installation**



**Certificate of acceptance**

**PORTABLE DOSIMETER SOEKS 112**

№ \_\_\_\_\_  
Manufactured and adopted in accordance with the requirements of technical conditions NULS.414313.014.TU and is recognized as suitable for use.

Head of the TCD \_\_\_\_\_  
Signature

\_\_\_\_\_ print name

\_\_\_\_\_ day, month, year

\_\_\_\_\_ Seal

**Warranty card**

**PORTABLE DOSIMETER SOEKS 112**

**FILLS THE MANUFACTURER**

№ \_\_\_\_\_ email: support@soeks-usa.com  
Date of issue \_\_\_\_\_ web: www.soeks-usa.com  
Representative of the TCD \_\_\_\_\_ TCD stamp SOEKS USA, LLC Miami, FL USA

**FILL THE TRADE ENTERPRISE**

Date of sale \_\_\_\_\_  
day, month, year

Vendor \_\_\_\_\_ signature \_\_\_\_\_ Seal



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