

USER MANUAL
NULS.414313.014RP

PORTABLE DOSIMETER SOEKS 112



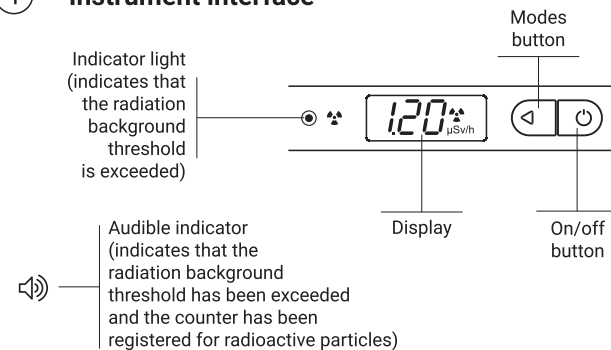
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Portable dosimeter SOEKS112

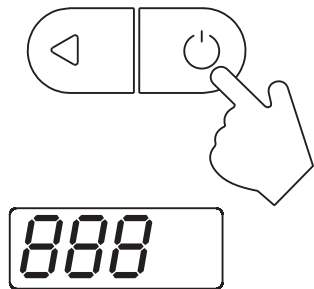
Device functions and characteristics:

- 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

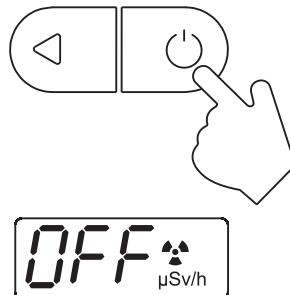


2 Turn on the device



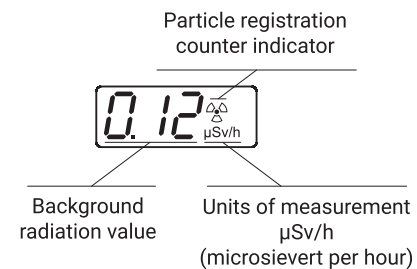
To turn on the device, it is necessary to press and hold the button until the segments fill

3 Turn off the device



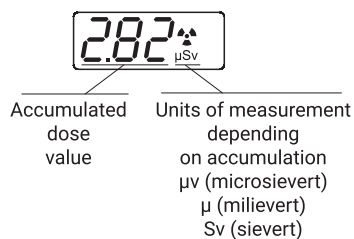
To turn off the device, it is necessary to press and hold the power button until the inscription appears on the display «OFF»

4 Radiation background measurement mode



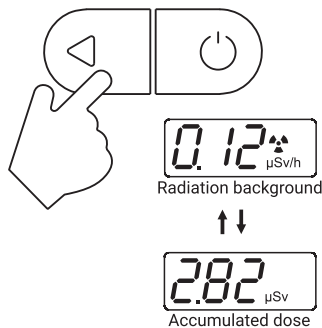
In the mode of radiation background measurement the display shows its current value

5 Accumulated dose display mode



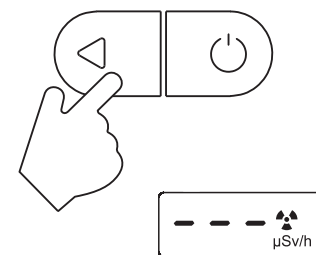
In the accumulated dose display mode, the display shows its current value since the last reset or the last battery installation

6 Mode switching



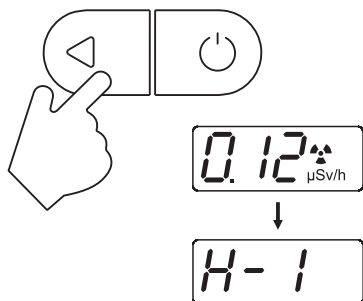
The transition between the radiation background measurement modes and the accumulated dose is carried out by briefly pressing the mode button

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

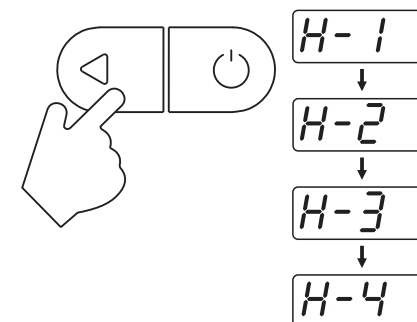


To enter the settings mode, it is necessary to press and hold the mode button in the radiation background measurement mode

9 Settings list

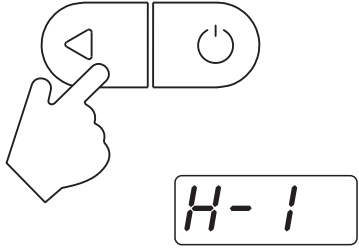
H-1	Auto off time, minutes	Value: 0 1 3 5 10 60 120
H-2	Threshold exceeding of radiation background, $\mu\text{Sv/h}$	Value: 0 0.2 0.4 0.6 0.8 1.0 1.2 1.5 2 5 10 50 100
H-3	Sound indicator	Value: 0 - off 1 - on 2 - only the threshold exceeding of radiation background
H-4	Световой индикатор	Value: 0 -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

10 Transition between settings



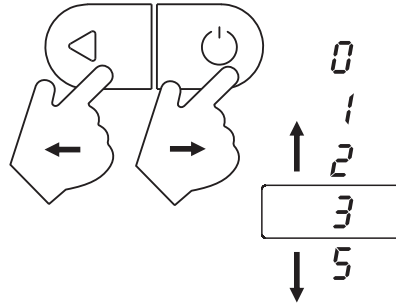
The transition between the settings is done with the mode button

11 Editing settings



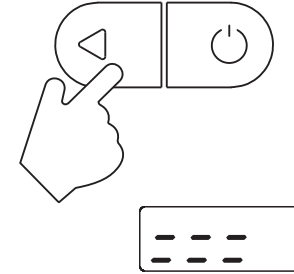
To edit the setting, press and hold the mode selection button until the value of the edited parameter appears flashing frequently

12 Change setting values



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

13 Save the settings



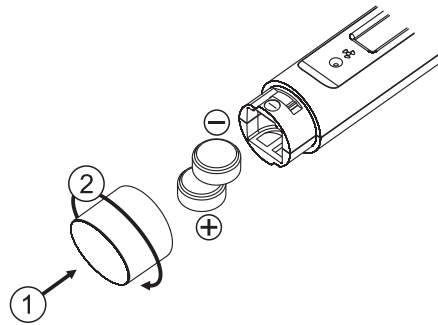
To save the setting value, it is necessary to press and hold the mode selection button. « --- » segments will flash on the display as you continue to hold the button, the set value of the edited parameter appears

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

№ _____

Date of issue _____

Representative of the TCD _____
TCD stamp

Address for quality claims:
48/1, Altufievskoe highway,
SOEKS LLC, 127566,
Russia, Moscow, 1-1-39,
+7(495) 221-05-82
e-mail: soeks@soeks.ru
www.soeks.ru

FILL THE TRADE ENTERPRISE

Date of sale _____
day, month, year

Vendor _____
signature _____ *Seal*