





**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 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 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

# Radiation background measurement mode

Instrument interface

Indicator light

(indicates that

the radiation

background

is exceeded)

threshold

Audible indicator

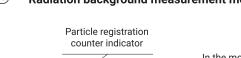
(indicates that the

radiation background

threshold has been exceeded

registered for radioactive particles)

and the counter has been





Units of measurement μSv/h

(microsievert per hour)

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

Modes

button

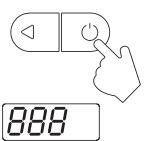
(a' (0)

On/off

button

Display

#### 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 »

# Accumulated dose display mode



Accumulated dose value

Units of measurement depending on accumulation μν (microsievert) μ (milievert) Sv (sievert)

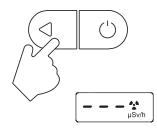
In the accumulated dose display mode, the display shows its current value since the last reset or the last battery installation

# Mode switching



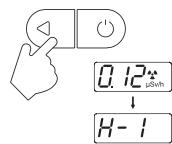
The transition between the radiation background measurement modes and the accumulated dose is carried out by briefly pressing the mode button

#### 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 onthe display as you continue to hold the button, the accumulated dose will reset)

#### Settings mode

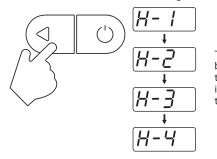


To enter the settings mode, it is necessary to press and hold the mode button in the radiation background measurement mode

# **Settings list**

H- !		Auto off time, minutes
	Value:	0 1 3 5 10 60 120
н-2		Threshold exceeding of radiation background, $\mu S \nu / h$
	Value:	0
Н-3		Sound indicator
	Value:	Ū - off I - on ⊇- only the threshold exceeding of radiation background
H-4		Световой индикатор
	Value:	☐ - off I - on

## **Transition between settings**

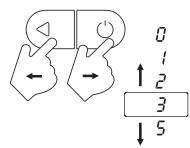


The transition between the settings is done with the mode button

# **Editing settings**

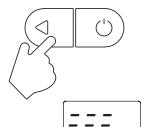
To edit the setting, press and hold the mode selection button until the value of the edited parameter appears flashing frequently

### Change setting values



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

#### Save the settings



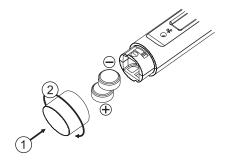
To save the setting value, it is necessary to press and hold the mode selection button. « 🗀 🗀 » segments will flash on the display as you continue to hold the button, the set value of the edited parameter appears

# Low battery charge



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

# **Battery installation**



#### Certificate of acceptance Warranty card **PORTABLE DOSIMETER SOEKS 112** PORTABLE DOSIMETER SOEKS 112 FILLS THE MANUFACTURER email: support@soeks-usa.com Manufactured and adopted in accordance with the requirements web: www.soeks-usa.com of technical conditions NULS 414313.014 TU and is recognized as suitable for use. SOEKS USA, LLC Miami, FL USA Head of the TCD -Signature FILL THE TRADE ENTERPRISE day, month, year day, month, year









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