

"QUICK START" guide

Use the **MODE** and **THRESHOLD** buttons to operate the detector

Switching on

Press shortly the MODE button. After the detector is switched on, it will automatically enter the mode of gamma dose rate measurement.

Switching off

Press the MODE button and hold it pressed until the display goes out.



Measuring gamma dose rate

The mode is indicated by units of measure expressed in "μSv/h" that appear on the display and short-term audio signals following the registered gamma quanta (audio signal frequency shows the level of radiation).

Direct the detector in parallel to the object under examination.

When gamma background is measured, the digits on the LCD are blinking – an indication of rough values that are constantly averaging.

Consider the accurate readings when the digits on the LCD stop blinking, approximately in a minute after the beginning of measurement.

The more intense is radiation, the less time is taken to receive reliable measurement results.



Note. The process of data averaging can be stopped forcibly to provide effective evaluation of the gamma radiation level. To do this, change the object of examination and press shortly the THRESHOLD button.

Rough evaluation of gamma background level of every new object may be performed within 10 seconds.

Switching on/off audio signaling of registered gamma quanta

With the THRESHOLD button pressed and still held in the mode of gamma dose rate measurement, enter the mode of programming alarm threshold levels. The "0.30" symbol with a blinking last zero will appear on the display at that. Press shortly the MODE button and look through all values until the sound symbol starts blinking.

For switching off audio signaling of registered gamma quanta, press shortly the THRESHOLD button to turn off the sound symbol.

To switch on audio signaling of registered gamma quanta, enter the mode of programming alarm threshold levels again, and then press the THRESHOLD button to enable sound symbol.

Short press of the MODE button fixes a new setting, which is indicated by fourfold extinction of the display.



Accumulated gamma dose

Press shortly the MODE button to get the total gamma dose, accumulated from the moment the detector is on.

The detector will switch to the mode of accumulated gamma dose indication, which is indicated by the "mSv" symbol that appears on the LCD.

Please note that in order to ensure accurate measurement results, keep your detector with you always switched on.

To reset the detector's readings, switch it off.



Clock

Press shortly the MODE button twice after the detector is switched on (or press once after the mode of accumulated gamma dose).

It is indicated by a one-second blinking double point between the two pairs of the LCD digits.

Clock settings:

1. Press the THRESHOLD button and hold it pressed until the value of minutes starts blinking.
2. To correct the value of minutes, first release and then again press the THRESHOLD button and hold it pressed until the required values are displayed.
3. Press the MODE button to correct the value of hours and repeat step 2.
4. Press the MODE button to fix the detector's clock settings.
5. Press the MODE button twice to enter the mode of gamma dose rate measurement.



Alarm clock

This mode follows the clock mode. Press shortly the MODE button.

A non-blinking double point between the two pairs of digits will appear on the LCD. Set the alarm clock the same way as you set the clock.

After setting the values of hours/minutes, press the MODE button to switch on/off the sound symbol of the alarm clock.

Use the THRESHOLD button to fix or turn off the sound symbol.

After that, press the MODE button to fix the alarm clock settings.

The alarm clock will ring even if the detector is switched off.

Note. Press any control button to switch off the audio signal of the alarm clock after its actuation. Otherwise, the audio signal will be disabled automatically in a minute after the alarm clock rings.



For more detailed information about the EcoTestVIP personal radioactivity detector, read the operating manual of this device.