

# EcotestVIP

Personal radioactivity detector

*A new measure of your life safety*



# Description

EcotestVIP is the one and only premium class dosimeter in the world. Created by the leading specialists for successful people who put high value on their own safety. The monitoring device is a combination of the best technical specifications and elegant design.

EcotestVIP helps to check radiation safety of apartments and offices, household items, clothing, cars, bank notes, personal correspondence, building materials, land property, food, berries and mushrooms in particular. No special training for its usage is required – just switch it on and it will start continuous monitoring of gamma radiation level. In case of danger EcotestVIP will automatically alarm about it.

# Purpose of Use

- Measurement of gamma radiation ambient dose equivalent rate (DER).
- Measurement of gamma radiation ambient dose equivalent (DE).
- Clock, alarm clock.



# Specifications

Indication range of gamma radiation equivalent dose rate (EDR)	$\mu\text{Sv/h}$	0.1 – 999.9
Main relative permissible error limit of gamma radiation EDR indication with confidence probability of 0.95 (calibrated relative to $^{137}\text{Cs}$ )	%	$\pm(25+2/ H)$ , where H is a numeric value of EDR in $\mu\text{Sv/h}$
Indication range of gamma radiation equivalent dose (ED)	mSv	0.001...9 999;
Main relative permissible error limit of gamma radiation ED indication with confidence probability of 0.95	%	$\pm 25$
Energy range of registered gamma radiation	MeV	0.05 – 3.0
Energy dependence of the detector readings at gamma radiation EDR and ED evaluation in the energy range from 0.05 to 1.25 MeV	%	$\pm 30$

Battery life (AAAA size×2 of 620 mA·h capacity) under natural background radiation, not less than

hours 2500

General operating supply voltage of the detector from two AAAA size batteries

V 3.0

Mean time to failure, not less than

hour 6000

Average service life of the detector, not less than

year 6

Weight

kg 0.06

Dimensions

mm 33 x 15 x 137

# Delivery Kit

EcotestVIP personal radioactivity detector;

operating manual;

case;

packing box.

