



Branches of Use

- Ministry of Internal Affairs
- Household use

Purpose of Use

Detection of the increased levels of gamma radiation and their estimation by means of the four-level threshold alarm system

Specifications

- Dynamic range of gamma radiation registration from 10 $\mu\text{R/h}$ to 1000 R/h.
- Energy range of gamma radiation registration from 0.05 to 3.0 MeV.
- Threshold level values of gamma radiation dose rate:
 - 100 $\mu\text{R/h}$;
 - 1.0 mR/h;
 - 100 mR/h;
 - 10 R/h.
- Relative error in threshold levels determination $\pm 25\%$.
- Time of continuous operation with new batteries – not less than 1300 hours*.
- Operating temperatures range – from -20 to + 50 °C.
- Weight – 80 g.
- Dimensions without a strap – 55 x 55 x 27 mm.
- Mean time between failures – not less than 6000 hours.
- Average service life – not less than 6 years.
- Average shelf life – not less than 6 years.

* provided that background radiation is normal (less than 100 $\mu\text{R/h}$), ambient air temperature is within $20\pm 2^\circ\text{C}$, and the battery is tested not more than 3 times per 24 hours.

Features

- Wrist warning device.
- Non-stop performance monitoring of the warning device.
- LED and vibrating alarm of threshold levels exceeding with the option to turn off the vibrating alarm.
- Non-stop performance monitoring of the built-in Geiger-Muller counter.
- Manual control of the built-in vibration instrument and residual capacity of batteries with the corresponding LED indication.
- Periodic vibrating and LED alarm when residual battery capacity becomes less than 10 %.
- Automatic vibrating and LED alarm when residual battery capacity is less than 5 %, with the following switching-off of the warning device.
- Two AAAA batteries.
- Shock-resistant plastic housing with IP67 ingress protection rating.

Delivery Kit

- "aGent-R" gamma radiation warning device;
- batteries;
- leather case with a clip;
- operating manual;
- packing box.

