



aGent-R (Gamma Radiation Warning Device)

Purpose of use

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

Features

- Wrist warning device.
- Non-stop performance control of the warning device.
- LED and vibrating alarm of threshold levels exceeding with the option to turn off the vibrating alarm.
- Non-stop performance control 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 batteries of AAAA type.
- Shock-resistant plastic body with the IP67 ingress protection rating.

Specifications

- Dynamic range of gamma radiation registration from 10 μ R/hour to 1000 R/hour;
 - Energy range of gamma radiation registration from 0.05 to 3.0 MeV;
 - Threshold level values of gamma radiation dose rate:
 - 100 μ R/hour
 - 1,0 mR/hour
 - 100 mR/hour
 - 10 R/hour
 - Relative error of threshold levels determination ± 25 %;
 - Time of continuous operation from new batteries not less than 1300 hours*;
 - Operating temperatures range from $- 20$ °C to $+ 50$ °C;
 - Weight, not more than 80 g;
 - Dimensions without a strap, not more than 55x55x27 mm;
 - Mean time to failure, not less than 6000 hours;
 - Mean service life, not less than 6 years;
 - Mean shelf life, not less than 6 years.
- * provided that background radiation is normal (less than 100 μ R/hour), ambient air temperature is within 20 ± 2 °C, and the battery is tested not more than 3 times per 24 hours.

Delivery kit

- "aGent-R" gamma radiation warning device;
- batteries;
- operating manual;
- packing box.