



Information display instrument

Branches of Use

- Nuclear power industry
- Metallurgy
- Radiological laboratories
- Radioactive waste storage sites
- Medicine

Purpose of Use

- Display of measurement results of ambient dose equivalent rate (DER) of gamma radiation obtained from the BDBG-09 detecting unit of gamma radiation.
- Audio and light alarming when threshold levels of gamma radiation DER exceeded.

Specifications

- DER display range - $0.01 \dots 10^7$ $\mu\text{Sv/h}$.
- Number of digits for DER display – three.
- Three threshold levels programming in the range of 0.01 $\mu\text{Sv/h}$ to 9.99 Sv/h with 0.01 $\mu\text{Sv/h}$ discreteness.
- Signaling when threshold levels exceeded – audio (with different soundings for each threshold level), and light (color change of DER measurement display).
- Operation in the network through the RS-485 interface.
- Power supply from industrial network (220 V) through the power adapter.
- Operating mode – 24-hour continuous.
- Distance between the panel and the detecting unit - from 0.5 to 50 m.

Specifications (continued)

- Dimensions - not more than 345 x 135 x 40 mm.
- Weight (without the power adapter) - 1.0 kg.
- Mounting method – upright wall-mounted.

Operating conditions

- Air temperature from -20 to +50 °C.
- Relative humidity – up to 95 % at +35 °C, and lower temperatures, non-condensing.
- Atmospheric pressure – from 84 to 106.7 kPa.

Delivery Kit

- IT-09 data panel;
- kit of BDBG-09 detecting unit of gamma radiation;
- connecting cable;
- 220 V power adapter;
- operating manual;
- packing box.