

**EASY TO OPERATE WITH MAXIMUM EFFICIENCY
BY MINIMUM TIME.**

APPLICATION:

- measuring the level of contamination on the surface of clothing, shoes and skin;
- measurement of the flux density of alpha and beta radionuclides;
- detection of gamma radiation;
- alarm signaling and step-by-step personnel monitoring when threshold values are exceeded.

FEATURES:

- Type of detector: scintillation;
- 24 detecting units, 465 cm² each + 1 remote detecting unit (optional);
- monitoring of the entire surface of the human body, including head, sides of arms and legs, without the use of remote detection units;
- full monitoring in minimum time - no more than 10 seconds;
- maximum simplicity: audible and visual signals during measurement;
- light signaling on a mnemonic scheme on a large touch screen;
- automatic compensation of external gamma background;
- the ability to connect video recording to the monitor;
- automatic control of each detection unit during its operation:
 - pollution alarm,
 - signaling about the need for service;
- monitor specifications comply with IEC 61098.



CHARACTERISTIC	TYPE OF RADIATION	
	Beta (BDZB-18D, BDZB-09D)	Alpha (BDZA-07D)
Fluence density measurement range	1,0 ÷ 100 000 min ⁻¹ ·cm ⁻²	0,1 ÷ 20 000 min ⁻¹ ·cm ⁻²
Energy range of measured radiation	0,1 ÷ 3,5 MeV	4,13 ÷ 8,0 MeV

SENSITIVITY OF DETECTING UNITS TO RADIATION OF DIFFERENT RADIONUCLIDES, (IMP / S) / (MIN⁻¹CM⁻²)

RADIONUCLIDE						
⁹⁰ Sr + ⁹⁰ Y	⁶⁰ Co	³⁶ Cl	¹⁴ C	²³⁹ Pu	²³⁸ U	²³⁴ U
1,5	0,4	1,5	0,09	0,2	0,04	0,08

Warm-up time	≤10 min
Mean time between failures	≥30 000 h
Average life expectancy	≥30 years
Weight	≤500 kg
Overall dimensions (length×width×height), no more	1500×1000×2500 mm



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