

Beta-Gamma-Pocket-Radiometer SVS 3

- portable, battery-operated radiometer to measure the photon dose equivalent rate of gamma-radiation, qualitatively beta-radiation

Fields of application:

- local dosimetry and accident dosimetry in industry, in nuclear power plants, in research and development
- environmental conservation, construction industry, geology, waste disposal and education



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<u>Technical Specifications:</u>	Beta-Gamma-Pocket-Radiometer SVS 3
Measuring value	photon dose equivalent rate $\mu\text{Sv/h}$ detection of beta-radiation
Measuring range	range 1: 0.01 to 19.99 $\mu\text{Sv/h}$ range 2: 0.01 to 199.9 $\mu\text{Sv/h}$
Energy range	Gamma, 15 keV to 2 MeV Beta, >200 keV
Intrinsic error	<25% (referring to Co-60)
Radiation detector	halogen-quenched Geiger-Muller tube
Overload capacity	ten times (without falling of the display)
Readout	digital on LCD acoustic visual with light-emitting diode
Power supply	1.5 V (battery or accumulator, type C)
Battery lifetime	typically from 300 h with NiCd accumulator to 1000 h with alkaline cell 8 to 12 h (in dependence on radiation)
Weight	≤ 250 g
Dimensions	145 x 80 x 40 (L x B x H in mm)
Colour	black RAL 8022
Operating temperature	from 0°C to +50°C
Relative humidity	≤ 90 % (30 °C)
Mechanical strength	nach DIN IEC 68, Eb 6 - 150 - 1000/3

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