

Gamma radiation smart probe BDKG-02



Wide-range gamma radiation smart probe to perform environmental and area radiation monitoring of radiation-sensitive rooms and targets.

Measure ambient dose equivalent rate gamma radiation in energy range 60 keV – 3 MeV up to 10 Sv/h.

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[Description](#)

[Applications and capabilities](#)

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- Wide-range measuring range of dose equivalent rate gamma radiation
- The smart probe BDKG-02 has RS485 interface
- Dust and splash-proof case

The smart probe BDKG-02 may be include in to complete set of alarm dosimeter AT2327 (automated radiation monitoring system) or work independently in real terms being connected to the PC.

Detector	Geiger-Muller counter CI-42G
Dose equivalent rate measuring range gamma radiation	0.1 μ Sv - 10 Sv/h
Intrinsic measurement error	not more than ± 20 %
Energy range	60 keV - 3 MeV
Energy sensitivity response	-25 - +35 %
Sensitivity on ^{137}Cs	4 cps/ μ Sv \cdot h $^{-1}$
Operating temperature range	- 30 - + 50°C
Relative humidity +35°C	up to 98 %
Protection class	IP57
Radio disturbance	
CEI/IEC CESTR 22:1997	
Electromagnetic compatibility	
CEI/IEC 61000-4-2:1995	
IEC 61000-4-3:1995	
Weight	0.42 kg
Dimensions	\varnothing 54x255 mm