

Gamma radiation smart probe BDKG-01



Wide-range gamma radiation smart probe to measure ambient dose equivalent and dose equivalent rate gamma radiation in energy range 60 keV – 3 MeV up to 10 Sv/h (10 Sv)

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[Description](#)

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- Wide-range measuring range of ambient dose equivalent and dose equivalent rate gamma radiation
- The smart probe BDKG-01 has RS232 interface
- Can be placed in a hermetic counter to be submerged
- Dust and splash-proof case

The smart probe BDKG-01 may be include in to complete set of radiation monitor AT1117M 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 μSv - 10 Sv/h
Dose equivalent measuring range gamma radiation	0.1 μSv - 10 Sv
Intrinsic measurement error	not more than $\pm 20\%$
Energy range	60 keV - 3 MeV
Energy sensitivity response	-25 - +35 %
Sensitivity on ^{137}Cs	4 cps/ $\mu\text{Sv}\cdot\text{h}^{-1}$
Operating temperature range	- 30 - + 50°C
Relative humidity +35°C	up to 98 %
Protection class	IP64
Radio disturbance	
CEI/IEC CESP 22:1997	
Electromagnetic compatibility	
CEI/IEC 61000-4-2:1995	
IEC 61000-4-3:1995	
Weight	0.42 kg
Dimensions	$\varnothing 54 \times 255$ mm