

## GAMMA RADIATION SMART PROBE BDKG-01

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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)



### Features

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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

### Application

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- Radioecology
- Radiation medicine
- Nuclear industry
- Fire service
- Emergency
  
- Civil defense

- Scientific research

## Specification

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<b>Detector</b>	Geiger-Muller counter CI-42G
<b>Dose equivalent rate measuring range gamma radiation</b>	0.1 $\mu\text{Sv}$ - 10 Sv/h
<b>Dose equivalent measuring range gamma radiation</b>	0.1 $\mu\text{Sv}$ - 10 Sv
<b>Intrinsic measurement error</b>	not more than $\pm 20\%$
<b>Energy range</b>	60 keV - 3 MeV
<b>Energy sensitivity response</b>	-25 - +35 %
<b>Sensitivity on <math>^{137}\text{Cs}</math></b>	4 cps/ $\mu\text{Sv}\cdot\text{h}^{-1}$
<b>Operating temperature range</b>	- 30 - + 50°C
<b>Relative humidity</b> +35°C	up to 98 %
<b>Protection class</b>	IP64
<b>Radio disturbance</b>	
CEI/IEC CESP 22:1997	
<b>Electromagnetic compatibility</b>	
CEI/IEC 61000-4-2:1995	
IEC 61000-4-3:1995	
<b>Weight</b>	0.42 kg
<b>Dimensions</b>	$\varnothing 54 \times 255$ mm

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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.