

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.



Features

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

Application

- Nuclear industry
- Radiology
- Industry
- Radioisotope and dosimetry laboratories
- Civil defense

Specification

| | |
|---|---|
| Detector | Geiger-Muller counter CI-42G |
| Dose equivalent rate measuring range gamma radiation | 0.1 μSv - 10 Sv/h |
| 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 | IP57 |

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

ø54x255 mm

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.