

DG5

Survey meter

- DG5 is based on the use of a plastic scintillation detector and a microcontrolled electronic ensuring the acquisition and interpretation of the measurements according to the principle of "quantified information" (CEA patent).

- **Very high sensitivity**
- **Fast response time (useable for vehicles control)**
- **Low weight (1.1 kg), small dimensions**
- **Useable by staff without training & knowledge**
- **Frequency modulated audible signal for source localisation**
- **Detection of a ^{137}Cs source of 10^8 Bq ($\approx 3\text{mCi}$) at 30 meters located behind a 20 cm wall (hollow concrete breeze-block)**
- **ITRAP certified**
- **More than 800 equipment used worldwide**



Technical characteristics

Energy threshold: 50 keV

Energy response:

- $\pm 10\%$ from 100 keV to 700 keV
- $\pm 50\%$ between 60 keV and 1.3 MeV

Detection isotropy: $\pm 10\%$ in two orthogonal planes, except the angle screened by the batteries (^{22}Na source)

Detection time constant: 0.1s (measurement time constant = 2s)

Background range at switching ON of the unit: 50 to 500nGy/h

No saturation: permanent alarm

Dimensions: 190 x 138 x 68 mm³

Weight: 1.1 kg with batteries

Temperature range: -20°C to +50°C

Power supply:

- 4 Batteries, type LR6 ; 1.5V,
- 4 Nimh accumulator LR6 + charger (option)
- Autonomy: 60 hours

Frequency modulated audible detection by incorporated loudspeaker

External head phones

Miniature magnetic coupled earphone (option)

External loud speaker (option)

