

DG5

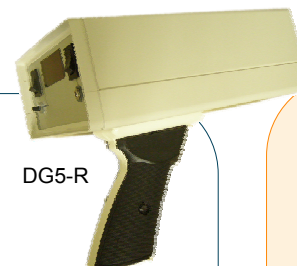
Survey meter

- DG5 is a very user-friendly device DG5 is based on the use of a plastic scintillation detector and a micro controlled electronic ensuring the acquisition and interpretation of the measurements according to the principle of "quantified information" (CEA patent). . It is used in various activities such as :

- Search for hidden or lost γ sources
- Package monitoring
- Crossing points monitoring (at borders)
- Search for minerals, study on natural radioactivity
- Mobile measurements : by feet, on vehicles (40 km/h) or flying (100 km/h)



Caractéristiques techniques



DG5-R

- **Detector** : plastic scintillator
- **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)
- **Frequency modulated audible signal**
- **Display** : in c/s with possible dose rate mode (nSv/h of Cs-137 equivalent)
- **Internal loudspeaker**
- **Autonomy** : 60 hours without audible signal
- **Size and weight**: 190 x 138 x 68 mm , 1,1 kg (battery included)
- **Accessories** : discrete bag, external headphone, miniature magnetic coupled earphone
- **Option for DG5-R** : gun type handle

- Usable by staff without training or knowledge
- Very high sensitivity
- Display in c/s and possible dose rate mode
- Fast response time (usable for vehicle control)
- Low weight, small dimensions
- Detection of a ^{137}Cs source of 108 Bq ($\approx 3\text{mCi}$) 30 meters away, located behind a 20 cm thick wall (hollow concrete breeze-block)
- Frequency modulated audible signal for source localisation
- ITRAP certified
- More than 800 instruments used worldwide