

ELECTRONIC PERSONAL ALARM DOSEMETER GRAETZ ED150

with dose rate indication and alarm functions

Product features

- ☸ Dosemeter for measuring gamma radiation and X-rays for the measurand $H_p(10)$ (personal dose equivalent)
- ☸ Detector: energy compensated GM tube
- ☸ Optimal reading of measured values by digital indication on a tilted LC display
- ☸ Dose rate indication at the push of a button
- ☸ Reliable and safe measurement of radiation in front of the user's body (detection of a solid angle of almost 180°)
- ☸ Switchable acoustic single-pulse indication
- ☸ Menu-driven operator guidance
- ☸ Storage of the dose value and of set parameters even during battery change
- ☸ Four preset alarm thresholds for
dose: 200 μSv , 500 μSv , 1000 μSv , 2000 μSv
dose rate: 7.5 $\mu\text{Sv/h}$, 25 $\mu\text{Sv/h}$, 40 $\mu\text{Sv/h}$, 300 $\mu\text{Sv/h}$
Remark:
Upon request adjustment of customised alarm thresholds by GRAETZ.
- ☸ High reliability through constant self-monitoring and test function
- ☸ Small and handy metallised housing made of high impact-proof plastic, easy to decontaminate, protection class IP67
- ☸ Operating life approx. 1 year with one battery set at ambient background radiation



| Technical Data | |
|------------------------------------|---|
| Dose rate indication range: | 50 nSv/h – 1.5 Sv/h |
| Dose indication range: | 1 μSv – 9.99 Sv |
| Dose measuring range: | 10 μSv – 1 Sv |
| Energy range: | 55 keV – 3 MeV |
| Dose rate alarm thresholds: | 4 preset values in the range of 1 $\mu\text{Sv/h}$ – 1.5 Sv/h |
| Dose alarm thresholds: | 4 preset values in the range of 1 μSv – 9.99 Sv |
| Temperature range: | -20°C up to +60°C |
| Dimensions: | 136 × 40 × 17/42 mm |
| Weight: | Approx. 140 g (with batteries) |
| Power supply: | 3 batteries 1.5 V (type LR1) |
| Acoustic alarm: | 75 dB(A) measured in 30 cm distance |
| German Fire Brigades Approval No.: | DW/FW/IdF 040411 |