

ELECTRONIC PERSONAL ALARM DOSEMETER GRAETZ ED150

with dose rate indication and alarm functions

Product features

- ☸ PTB¹⁾ approved dosimeter 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
PTB Approval No.:	23.52/04.01

¹⁾ PTB-approved measuring range for measurements specifically demanded by German regulations