

# ELECTRONIC PERSONAL ALARM DOSEMETER GRAETZ ED150

with dose rate indication and alarm functions

## Product features

- ☸ PTB<sup>1)</sup> 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  $\mu$ Sv, 500  $\mu$ Sv, 1000  $\mu$ Sv, 2000  $\mu$ Sv  
dose rate: 7.5  $\mu$ Sv/h, 25  $\mu$ Sv/h, 40  $\mu$ Sv/h, 300  $\mu$ 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 $\mu$ Sv – 9.99 Sv
Dose measuring range:	10 $\mu$ Sv – 1 Sv
Energy range:	55 keV – 3 MeV
Dose rate alarm thresholds:	4 preset values in the range of 1 $\mu$ Sv/h – 1.5 Sv/h
Dose alarm thresholds:	4 preset values in the range of 1 $\mu$ Sv – 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

<sup>1)</sup> PTB-approved measuring range for measurements specifically demanded by German regulations